## ClassMarker

## Primary 5 Maths (Term 4) - ACS



## Test Introduction

+ Add Introduction

53 Questions (84 Points)

Test Questions
1 Test Assignment

## Question 1

A pipe was cut into three pieces in the ratio of 1:3:6. The longest piece was 42 cm long. Find the length of the pipe before it was cut.
A) 21 cm
B) 28 cm
C) 63 cm
(D) 70 cm

Question Type:

## Multiple Choice

Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: $\quad 28,553,947$

## Question 2

Find the value of $\frac{4}{5} \times \frac{3}{8}$ in its simplest form.
A)
$\frac{6}{20}$
B)

C)
$\frac{12}{40}$
D)
$\frac{15}{32}$

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:
28,553,948

Remove From Test

## Question 3

Find the value of $16.8 \div 800$
A) 0.021
B) 0.21
C) 2.1
D) 21

Question Type:
Randomize Answers:
Date Added: Thu 29th Jul 2021

Last Modified: N/A
QID\#:
28,553,949

## Question 4

There was 3.2 L of oil in a container. All the oil was poured into identical bottles, with a capacity of 320 ml each. How many bottles were completely filled up?
A) 1
$\checkmark$ B) 10
C) 100
D) 1000

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified:
QID\#:

N/A
28,553,950


## Question 5

In the figure below not drawn to scale, $W X Y Z$ is a trapezium.
$\angle W X Y=56^{\circ}$. Find $\angle X Y Z$.

A) 34
B) 56
C) 62
D) 124

## Question Type:

Randomize Answers:
Date Added:
Last Modified:
QID\#:

Multiple Choice

Thu 29th Jul 2021
N/A
28,553,951

```
**Answers | Edit | E Duplicate | | Used In | * Reorder
```

Question 6

The table below shows the number of pages Ben read from Monday to Friday.

| Day | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Pages <br> read | 125 | 100 | 100 | 150 | 125 |

## What was the average number of pages Ben read over the five days?

A) 100
B) 120
C) 125
D) 150

```
Question Type: Multiple Choice
Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID#: 28,553,952
```



## Question 7

Denise has twice as much money as Ellie. Fred has 3 times as much money as Denise. If Fred has $\$ 60$ more than Ellie, how much money does Ellie have?
A) $\$ 10$
B) $\$ 12$
C) $\$ 15$
D) $\$ 30$

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,953$ |



## Question 8

$6 \%$ of 2400 is $\qquad$
A) 24
B) 144
C) 240
D) 1440

Question Type:
Randomize Answers:
Date Added: Thu 29th Jul 2021

Last Modified: N/A
QID\#: $\quad 28,553,95$

Multiple Choice
No

28,553,954

## Question 9

Mindy saved $\$ 70$ in April. Her father gave her $\$ 2$ for every $\$ 5$ she saved. How much did Mindy's father give her?
A) $\$ 10$
B) $\$ 14$
C) $\$ 28$
D) $\$ 98$

## Question Type:

Randomize Answers:
Date Added:
Last Modified:
QID\#:

## Multiple Choice

No
Thu 29th Jul 2021
N/A
$28,553,955$

## **Answers

## Question 10

A container has a square base of side 9 cm and height 30 cm . It is $\frac{1}{3}$ filled with water. How much more water is needed to fill the container to half its capacity?

A) 405 cm 3
B) 810 cm 3
C) 1620 cm 3
D) 2430 cm 3

## Question Type:

Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:
28,553,956

## $\underbrace{\star}$ Answers | Edit | 约Duplicate | 1 Used In | $\stackrel{\text { Reorder }}{ }$

Question 11

Arrange the fractions below in decreasing order.

$$
\frac{5}{6}, \frac{3}{2}, \frac{5}{2}, 1 \frac{1}{3}
$$

A)

$$
\frac{5}{6}, 1 \frac{1}{3}, \frac{3}{2}, \frac{5}{2}
$$

B)

$$
\frac{5}{6}, \frac{5}{2}, 1 \frac{1}{3}, \frac{3}{2}
$$

C)

$$
1 \frac{1}{3}, \frac{5}{2}, \frac{3}{2}, \frac{5}{6}
$$

$\checkmark$ D)

$$
\frac{5}{2}, \frac{3}{2}, 1 \frac{1}{3}, \frac{5}{6}
$$

In the figure below not drawn to scale, $A O B$ and $C O D$ are straight lines.
Find $\angle D O E$.

A) 22
B) 68
C) 90
D) 112

Question Type:
Multiple Choice
Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,957
$*^{\pi}$ Answers | Edit | © Duplicate | Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$

Javier and Vincent shared some stickers in the ratio 5:6. Javier had 30 stickers. How many more stickers did Vincent have than Javier?
A) 6
B) 15
C) 18
D) 75

| Question Type: | Multiple Choice |
| :--- | :--- |
| Randomize Answers: | No |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,958$ |

$*^{x}$ Answers
Edit Duplicate

## Question 14

Express 5.78 km in metres
A) 0.578 m
B) 57.8 m
C) 578 m
(D) 5780 m

$$
\begin{array}{ll}
\text { Question Type: } & \text { Multiple Choice } \\
\text { Randomize Answers: } & \text { No } \\
\text { Date Added: } & \text { Thu 29th Jul } 2021 \\
\text { Last Modified: } & \text { N/A } \\
\text { QID\#: } & 28,553,959
\end{array}
$$

## $x^{x}$ Answers | Edit | © Duplicate | 1 Used In | $\hat{\text { 个 Reorder }}$

## Question 15

Find the area of the shaded triangle.

A) 28 cm 2
B) 56 cm 2
C) 84 cm 2
D) $\mathbf{1 0 0} \mathrm{cm} 2$

## Question Type:

## Multiple Choice

Randomize Answers: No
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:
28,553,960

Henry bought an equal number of books and files for $\$ 108$. Each book cost $\$ 4$ while each file costs
$\$ 3.50$ less than a book.
a) How many books and files did he buy altogether?

Accepted answers:
48 books
/ 48

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified N/A
QID\#: 28,553,962

Correctly answered feedback
$4-3.5=0.5$
$4 \times 24=96$
$0.5 \times 24=12$
$96+12=108$
$24+24 \Rightarrow 48$ books

Incorrectly answered feedback
$4-3.5=0.5$
$4 \times 24=96$
$0.5 \times 24=12$
$96+12=108$
$24+24 \Rightarrow 48$ books

Question 17
b) How much more money did he spend on the books than on the files?

Accepted answers:
\$84
$\checkmark 84$

Correctly answered feedback
$4 \times 24=96$
$0.5 \times 24=12$
$96-12=84$

Incorrectly answered feedback
$4 \times 24=96$
$0.5 \times 24=12$
$96-12=84$

## $\mathbf{*}^{\star}$ Answers | Edit | 纪Duplicate | 1 Used In | $\hat{\text { ® Reorder }}$

## Question 18

The pattems below are formed using squares and triangles.


Pattern 1


Pattern 3


Pattern 5


Pattern 7

Using the patterns above, complete the table below.

| Pattern | Number of <br> squares | Number of <br> triangles | Total number of <br> squares and <br> triangles |
| :---: | :---: | :---: | :---: |
| 1 | $\frac{1}{3}$ | $\frac{4}{5}$ | $\frac{5}{11}$ |
| 3 | -5 | 12 | 17 |
| 5 | 7 | 16 | 23 |
| 7 | (a) $\quad[1]$ | (b) $\frac{11]}{[1]}$ | (c) $]$ |

## Accepted answers:

$12,26,38$
12, 26, 38
/ $12,26,38$
\122638

Question Type: Free Text

| Date Added: | Thu 29th Jul 2021 |
| :--- | :--- |
| Last Modified: | N/A |

Last Modified: N/A
QID\#: $\quad 28,553,964$
$*^{\star}$ Answers | Edit | \& © Duplicate | 1 Used $\ln \mid \hat{*}$ Reorder
Question 19
a) A figure in the pattern has a total number of 149 squares and triangles. What is the pattern number?

## Accepted answers:

49

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,965$ |

```
Correctly answered feedback
149-2=147
147\div3=49
```

Incorrectly answered feedback
149-2=147
$147 \div 3=49$

Draw a triangle $A B C$ in which $B C=6 \mathrm{~cm}, \mathrm{AB}=4 \mathrm{~cm}$ and $\angle \mathrm{ABC}=45^{\circ}$.


Please type "done" to proceed to the next question

Question Type: Essay

| Date Added: | Thu 29th Jul 2021 |
| :--- | :--- |
| Last Modified: | N/A |
| QID\#: | $28,553,945$ |

Correctly answered feedback

Incorrectly answered feedback

$*^{\star}$ Answers | Edit | EDuplicate | 1 Used In | 合Reorder
Remove From Test

## Question 21

After Ivan spent $\frac{3}{10}$ of his money, the amount of money he had left was $\$ 64$ more than the amount he had spent. How much money did Ivan have at first?

Accepted answers:
\$160
160

Question Type: Free Text
Date Added:
Last Modified:
QID\#:

Correctly answered feedback

$$
\begin{aligned}
& 7-3=4 \\
& 4 \mathrm{u} \rightarrow 64 \\
& 1 \mathrm{u} \rightarrow 64 \div 4=16 \\
& 10 \mathrm{u} \rightarrow 16 \times 10 \Rightarrow \$ 160
\end{aligned}
$$

Incorrectly answered feedback

$$
\begin{aligned}
& 7-3=4 \\
& 4 \mathrm{u} \rightarrow 64 \\
& 1 \mathrm{u} \rightarrow 64 \div 4=16 \\
& 10 \mathrm{u} \rightarrow 16 \times 10 \Rightarrow \$ 160
\end{aligned}
$$

$\qquad$
Question 22

Write six hundred and twenty-eight thousand and fifty-nine in numerals.

Accepted answers:
628059

## Question Type: Free Text

Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,967

## 

## Question 23

The table below shows the overseas postal rates.

| Mass step | Postage |
| :--- | :--- |
| First 100 g | $\$ 2.20$ |
| Every addilional 10 g | $\$ 0.25$ |

Grace sent a package with a mass of 120 g .
How much postage did Grace pay?

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:

Correctly answered feedback

$$
\begin{aligned}
& 0.25 \times 2=0.5 \\
& 2.20+0.5 \Rightarrow \$ 2.70
\end{aligned}
$$

Incorrectly answered feedback
$0.25 \times 2=0.5$
$2.20+0.5 \Rightarrow \underline{\$ 2.70}$

## $\kappa^{x}$ Answers | Edit | ep Duplicate | $\mathbb{1}$ Used In | $\hat{\geqslant}$ Reorder

## Question 24

Janice spent $\frac{1}{2}$ of her salary on a laptop and saved $\frac{1}{4}$ of the remainder.
What fraction of her salary did she save?

Accepted answers:
1-Aug

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,969

Question 25

The cost of a pen is $\$ 2.40$. What is the cost of 30 such pens?

Accepted answers:
$\$ 72$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:

```
* Answers | Edit | EDD Duplicate | 4 Used In | 合Reorder
```


## Question 26

The mass of an apple was $\frac{3}{8} \mathrm{~kg}$. Express the mass of the apple as a decimal.

## Accepted answers:

$\checkmark 0.375 \mathrm{~kg}$
$\checkmark 0.375 \mathrm{~kg}$
$\checkmark 0.375$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,972

## $\mathbf{*}^{\wedge}$ Answers | Edit | ConDuplicate | 4Used In | 会 Reorder

## Question 27

A machine produces 15 toys per minute. How long will the machine take to produce 135 such toys?

Accepted answers:
9 min
/ 9

Question Type: Free Text
Date Added: $\quad$ Thu 29th Jul 2021
Last Modified:
QID\#:


In a basket, the number of fruit to the number of sandwiches to the number of cakes is $6: 4: 9$. There are 45 cakes. How many more fruits than sandwiches are there?

Accepted answers:
10

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,974

Question 29

There were 1200 students in the hall. $\frac{2}{5}$ of the students were boys. $\frac{1}{3}$ of the boys wore spectacles.
(a) How many girls were there in the hall?

Accepted answers:
720 girls
720

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,975

Correctly answered feedback

$$
\frac{2}{5}=\frac{6}{15}
$$

$$
\frac{1}{3}=\frac{5}{15}
$$

$15-6=9$
$15 u \rightarrow 200$
$1 \mathrm{u} \rightarrow 1200 \div 15=80$
$9 \mathrm{u} \rightarrow 80 \times 9 \Rightarrow 720$ girls

Incorrectly answered feedback

$$
\begin{aligned}
& \frac{2}{5}=\frac{6}{15} \\
& \frac{1}{3}=\frac{5}{15} \\
& 15-6=9 \\
& 15 u \rightarrow 200 \\
& 1 u \rightarrow 1200 \div 15=80 \\
& 9 u \rightarrow 80 \times 9 \Rightarrow 720 \text { girls }
\end{aligned}
$$

b) How many boys wore spectacles?

Accepted answers:
160 boys
160

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: $\quad 28,553,978$

```
Correctly answered feedback
\(1200 \div 5 \times 2=480\)
\(480 \div 3=160\)
```

Incorrectly answered feedback
$1200 \div 5 \times 2=480$
$480 \div 3=160$

Container $X$ measures 15 cm by 18 cm by 14 cm . It is filed with water to a depth of 10 cm .
a) Find the volume of water in Container $X$


## Accepted answers:

$\checkmark 2700 \mathrm{~cm} 3$
$\checkmark 2700 \mathrm{~cm} 3$
$\checkmark 2700$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: $\quad 28,553,976$

Correctly answered feedback
$15 \times 18 \times 10=2700$

Incorrectly answered feedback
$15 \times 18 \times 10=2700$

## Question 32

b) The water was the poured into cubical container $Y$ until it was filled to the brim. How much water was left in container $X$ ?

Accepted answers:
/ 972 cm 3
$\checkmark 972 \mathrm{~cm} 3$
972

| Date Added: | Thu 29th Jul 2021 |
| :--- | :--- |
| Last Modified: | N/A |
| QID\#: | $28,553,981$ |

```
Correctly answered feedback
12\times12\times12=1728
2700-1728=972
```

Incorrectly answered feedback
$12 \times 12 \times 12=1728$
$2700-1728=972$

## $\mathbf{k}^{\wedge}$ Answers | Edit | Duplicate | 4Used In | $\stackrel{\rightharpoonup}{*}$ Reorder

Remove From Test

## Question 33

There ratio of the number of men to the number of women in an office at first was $7: 8$. There were 4 more women than men in the office. 6 men entered the office while 4 women left. What is the ratio of the number of men to the number of women in the office in the end? Express your answer in the simplest form.

## Accepted answers:

$17: 14$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,977

Question 34

Alice and Ben had an equal number of stickers at first. After Alice gave 24 stickers to Ben, Ben had 4 times as many stickers as Alice. How many stickers did Alice have in the end?

## Accepted answers:

16 stickers
16

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,979$ |

```
\(\mathbf{k}^{7}\) Answers | Edit E Duplicate | 4 Used In | 合 Reorder
```

The figure below shows a rhombus $A B C D$ not drawn to scale.
$\angle A B D=36^{\circ}$. Find $\angle y$.


Accepted answers:

- 108


## Question Type: Free Text

Date Added: Thu 29th Jul 2021
Last Modified: N/A
RID\#:

## 

## Question 36

A telecommunications company charges the following rates for telephone calls.

| Duration | Rates |
| :--- | :--- |
| First 5 minutes | $\$ 2.50$ |
| Every additional minute | $\$ 0.60$ |

Sue made a phone call to her friend and talked for 9 minutes.
How much did she have to pay for the call?

## Accepted answers:

\$4.90
4.9

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,982$ |

```
**Answers | Edit | & Duplicate | 1 Used In | & Reorder
```


## Question 37

Kelly had twice as much money as Lionel. After Kelly gave Lionel some money, each of them had $\$ 600$. How much money did Kelly have at first?

Accepted answers:
\$800
800

Question Type:
Date Added:
Last Modified:
QID\#:

Free Text
Thu 29th Jul 2021
N/A
28,553,983

Correctly answered feedback
3u-600
$1 u-600 \div 3=200$
$200 \times 4=800$

Incorrectly answered feedback
3u-600
$1 u-600 \div 3=200$
$200 \times 4=800$

## * Answers | Edit | RDuplicate | 1 Used In | 合 Reorder

## Question 38

In the figure below not drawn to scale, $D E=E G=E F$, Find $\angle D F G$.


Accepted answers:

```
Question Type: Free Text
Date Added: Thu 29th Jul }202
Last Modified: N/A
QID#: 28,553,984
```

* Answers Edit © Duplicate| 1 Used In | $\stackrel{\Delta}{*}$ Reorder

Question 39

John's average marks for his first 4 tests is 75 . How many marks must he obtain for his next test if he wants to get an average of 79 marks for his 5 tests?

## Accepted answers:

95 marks
95

## Question Type: Free Text

Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,985

## $\boldsymbol{«}^{\boldsymbol{x}}$ Answers | Edit | Con Duplicate | 4 Used In | $\stackrel{-}{\text { Reorder }}$

## Question 40

Hansel had 60 red, blue and green coloured pencils altogether. $\frac{1}{5}$ of them were red. There were 6 more blue coloured pencils than red coloured pencils. What fraction of Hansel's coloured pencils were green?

## Accepted answers:

1-Feb

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,986

## 

In the figure below not drawn to scale, ABC is a right-angled triangle and $B C D E$ is a parallelogram. Given that $\angle C D E=125^{\circ}$ and $\angle D C A=85^{\circ}$, find $\angle B C A$.


Accepted answers:
30

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,987$ |
|  |  |
|  |  |

In the figure below, not drawn to scale, PQRS is a square piece of paper that is folded at a comer. Given that UV is 7 cm and UV $=$ US, find the shaded area.


Accepted answers:
/ 126 cm 2
126 cm 2
126

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,988

The box below measuring 4 cm by 3 cm by 3 cm is filled with some $1-\mathrm{cm}$ cubes. How many more cubes are needed to fill up the box?


## Accepted answers:

$\checkmark 13$ cubes
/ 13

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,989

Correctly answered feedback
$4 \times 3 \times 3=36$
$3+8+12=23$
$36-23=13$

Incorrectly answered feedback
$4 \times 3 \times 3=36$
$3+8+12=23$
$36-23=13$

900 students went for a school camp. $35 \%$ of the students were in Primary 4, $\frac{1}{5}$ of the remainder were in Primary 5 and the rest were in Primary 6.
a) How many Primary 5 students went for the camp?

## Accepted answers:

$\checkmark 117$ students
$\checkmark 117$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified:
N/A
QID\#: 28,553,990

```
Correctly answered feedback
\(0.65 \times 900=585\)
\(585 \div=117\)
```

Incorrectly answered feedback
$0.65 \times 900=585$
$585 \div=117$

```
**Answers | Edit | fl}\mathrm{ Duplicate | 4 Used ln | 命Reorder
```


## Question 45

b) What percentage of the students were in Primary 6 ?

Accepted answers:
$\checkmark 52 \%$
52

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,991

Correctly answered feedback
$4 / 5 \times 65=52 \%$

Incorrectly answered feedback
$4 / 5 \times 65=52 \%$
$*^{\wedge}$ Answers | Edit | \& Duplicate | 〒Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$ Remove From Test

## Question 46

A car can travel 15 km om 1 L of petrol. How many litres of petrol will the car need to travel 448 km ? Give your answer correct to 2 decimal places.

## Accepted answers:

$\checkmark 29.87$
$\checkmark 29.87$

| Question Type: | Free Text |
| :--- | :--- |
| Date Added: | Thu 29th Jul 2021 |
| Last Modified: | N/A |
| QID\#: | $28,553,992$ |

Correctly answered feedback
$448 \div 15=29.886=29.87$

Incorrectly answered feedback
$448 \div 15=29.886=29.87$

## $\mathbf{k}^{\wedge}$ Answers | Edit | E/D Duplicate | 1 Used In | $\stackrel{\rightharpoonup}{\text { Reorder }}$

Remove From Test

## Question 47

Penny bought an equal number of cupcakes and lollipops for a party.
The cupcakes were bought at 6 for $\$ 12$ and the lollipops at 10 for $\$ 5$. She paid $\$ 135$ more for the cupcakes than for the lollipops. How many cupcakes and lollipops did she buy altogether?

## Accepted answers:

180 cupcakes and lollipops
180

Question Type: Free Text

| Date Added: | Thu 29th Jul 2021 |
| :--- | :--- |
| Last Modified: | N/A |

QID\#: $\quad 28,553,993$

Correctly answered feedback

## 90 for 180

90 for $\frac{45}{135}$

## $90+90 \Rightarrow 180$ cupcakes and lollipops

Incorrectly answered feedback

## 90 for 180

$$
90 \text { for } \frac{45}{135}
$$

## $90+90 \Rightarrow 180$ cupcakes and lollipops

## Question 48

Mr and Mrs Tan had a total of \$770. After Mrs Tan spent $\frac{2}{3}$ of her money and Mr Tan spent $\frac{3}{5}$ of his money, they had an equal amount of money left. How much money did Mrs Tan spend?

Accepted answers:
$\checkmark$ \$280
/ 280

## Question Type: Free Text

Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,994

Correctly answered feedback
$11 u \rightarrow 770$
$1 \mathrm{u} \rightarrow 770 \div 11=70$
$4 \mathrm{u} \rightarrow 70 \times 4 \Rightarrow \underline{\$ 280}$

Incorrectly answered feedback
$11 u \rightarrow 770$
$1 \mathrm{u} \rightarrow 770 \div 11=70$
$4 \mathrm{u} \rightarrow 70 \times 4 \Rightarrow \$ 280$

## $\mathbf{*}^{\star}$ Answers | Edit | EDDuplicate | 4 Used In | $\stackrel{\Delta}{\text { Reorder }}$

## Question 49

James and his friends compared their end-of-year Mathematics results. James realised that if he scored 8 marks more, their average marks would be 90 . If he scored 8 marks less, their average marks would be 88 . How many friends did James have?

Accepted answers:
7 friends
7

## Question Type: Free Text

Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: 28,553,995

Correctly answered feedback

$$
\begin{aligned}
& 90-88=2 \\
& 8+8=16 \\
& 16 \div 2=8 \\
& 8-1 \Rightarrow 7 \text { friends }
\end{aligned}
$$

Incorrectly answered feedback

$$
\begin{aligned}
& 90-88=2 \\
& 8+8=16 \\
& 16 \div 2=8 \\
& 8-1 \Rightarrow 7 \text { friends }
\end{aligned}
$$

The figure below shows a square, a rectangle and a triangle.
The square has a length of 12 cm while the rectangle has a length and breadth of 10 cm and 5 cm respectively. Find the shaded area.


Accepted answers:
102 cm 2
/ 102 cm 2
102

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#:
28,553,996

$$
\begin{aligned}
& 12-5=7 \\
& 10 \times 7=70 \\
& 12+10=22 \\
& 22 \times 12=264 \\
& \frac{1}{2} \times 22 \times 5=55 \\
& \frac{1}{2} \times 12 \times 12=72 \\
& \frac{1}{2} \times 10 \times 7=35 \\
& 35+72+55=162 \\
& 264-162 \Rightarrow 102 \mathrm{~cm}^{2}
\end{aligned}
$$

Incorrectly answered feedback

$$
\begin{aligned}
& 12-5=7 \\
& 10 \times 7=70 \\
& 12+10=22 \\
& 22 \times 12=264
\end{aligned}
$$

$$
\frac{1}{2} \times 22 \times 5=55
$$

$$
\frac{1}{2} \times 12 \times 12=72
$$

$$
\frac{1}{2} \times 10 \times 7=35
$$

$$
35+72+55=162
$$

$$
264-162 \Rightarrow 102 \mathrm{~cm}^{2}
$$

The figure below shows a triangle on a rectangular piece of paper. Ben cut out a square of side 5 cm . Find the area of the shaded figure below.


## Accepted answers:

173 cm 2
$\checkmark 173 \mathrm{~cm} 2$
173

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: $\quad 28,553,997$

Correctly answered feedback

$$
\frac{1}{2} \times 22 \times 18=198
$$

$$
5 \times 5=25
$$

$$
198-25 \Rightarrow \underline{173 \mathrm{~cm}^{2}}
$$

Incorrectly answered feedback

$$
\frac{1}{2} \times 22 \times 18=198
$$

$5 \times 5=25$
$198-25 \Rightarrow 173 \mathrm{~cm}^{2}$

The average monthly salary of Adeline and Brenda is $\$ 1800$,
Brenda's salary is $\frac{1}{3}$ of Adeline's salary.
a) Find Adeline's monthly salary.

Accepted answers:
\$2,700
$\checkmark 2700$

Question Type: Free Text
Date Added: Thu 29th Jul 2021
Last Modified: N/A
QID\#: $\quad 28,553,998$

Correctly answered feedback
$1800 \times 2=3600$
$3600 \div 4=900$
$900 \times 3 \Rightarrow \underline{\$ 2700}$

Incorrectly answered feedback
$1800 \times 2=3600$
$3600 \div 4=900$
$900 \times 3 \Rightarrow \underline{\$ 2700}$

## Question 53

b) A group of girls had an average salary of $\$ 1500$. After including Adeline in the group, the average salary became $\$ 1575$. How many girls were in the group at first?

Accepted answers:
15 girls
15

```
Correctly answered feedback
2700-1500=1200
1575-1500=75
1200\div75=10
16-1=15
```

Incorrectly answered feedback
2700-1500=1200
$1575-1500=75$
1200 $\div 75=10$
$16-1=15$

[^0]
[^0]:    www.classmarker.com

