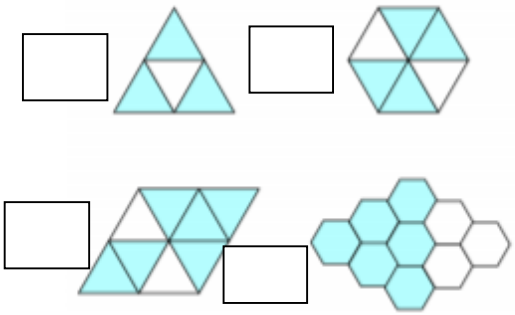
YEAR 5 MATHS HOME LEARNING

Monday-5 a day

$738 + 300$	$681 \div 3$
Fill in the missing numbers	48 months = ☐ years 77 days = ☐ weeks 72 hours = ☐ days
At the start of December, there were 3,590 video games in a shop. During December, 8,421 more video games were delivered 10,709 video games were sold.	How many video games were left in the shop at the end of December?
Tick two shapes that are $\frac{2}{3}$ shaded	

YEAR 5 MATHS HOME LEARNING

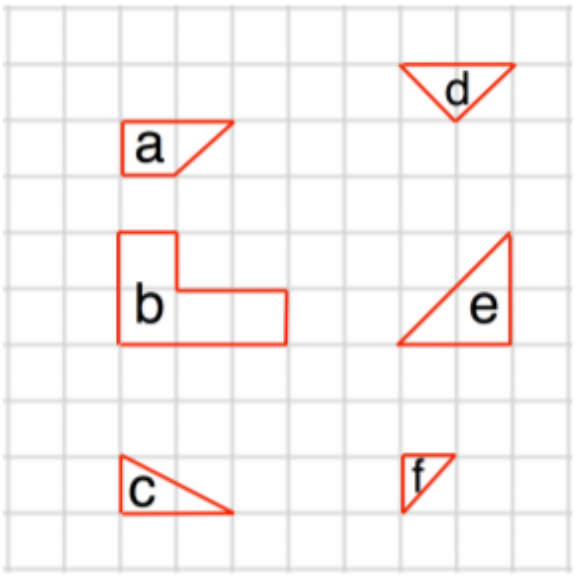
Tuesday- 5 a day

$4\overline{)868}$	$708 - 59$
Here is a triangular-based pyramid How many faces does it have?	
Miles and Megan both buy 6 cans of fizzy drinks. Miles 6 cans at 79p each  Megan Pack of 6 cans for £4.49 	How much more money does Miles pay than Megan?
Olivia has a bag of grapes. She gives half of them to Harry. Harry eats four and then has five left. How many grapes did Olivia have at the start?	

Wednesday- 5 a day

$108 \div 4$

287×3



Which three shapes can fit together to make a square?

Which shapes do not have lines of symmetry?

A 17:45

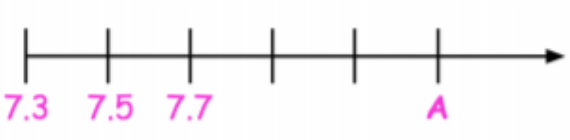
B 6:15pm

C 20:00

D 5:30pm

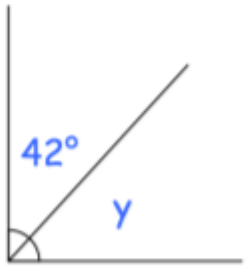
Write the letters for the times in order, starting with the earliest.

Thursday- 5 a day

$5.4 + 1.3 + 1.5$	$40 \times 40 \times 10$
What number is marked at **A**?	
It takes Ava 35 minutes to walk home from school. Ava looks at her watch as she begins walking home. What time should Ava get home?	
At a tournament there are 7 players in a team. There are 36 teams. How many players are there altogether?	

YEAR 5 MATHS HOME LEARNING

Friday- 5 a day

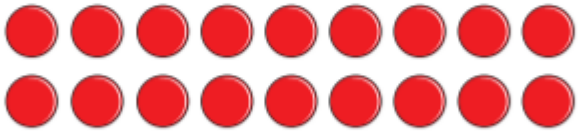
$\frac{3}{10} + \frac{6}{10}$	$622 - 177$
Round 128.72 to the nearest whole number.	Write the digit in the **tenths** place.
A right angle is shown. Find the size of angle y	
Abdul has a bag of 50p coins and a bag of 20p coins. Both bags have the same amount of money in. Abdul has 40 coins in the 20p bag. How many coins are in the 50p bag?	

Task 2

1 Kim is using counters to find factors of 18

She arranges the counters in one row.

Then she arranges the counters in two rows.



a) Kim's array shows four numbers that are factors of 18

Which numbers are they?

b) What are the two other factors of 18?

c) Use counters to find the factors of 27

List the factors of 27

d) List the common factors of 18 and 27

Why are these numbers common factors?

2 Complete the sentences.

a) The factors of 24 are _____

The factors of 36 are _____

The common factors of 24 and 36 are _____

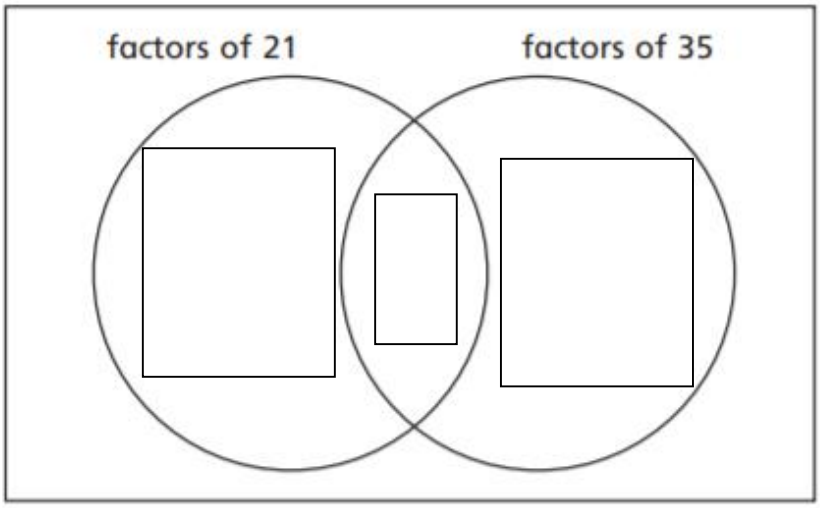
b) The factors of 30 are _____

The factors of 45 are _____

The common factors of 30 and 45 are _____

3 **a)** Write the numbers on the diagram.

1 **3** **5** **7** **21** **35**



b) What are the common factors of 21 and 35?

_____

c) How does the Venn diagram help you to list common factors?

_____

Task 3

1)

List the common factors of each pair of numbers.

a) 15 20

b) 9 10

2)

Circle the pairs of numbers that have only one common factor.

2 and 6	3 and 8	15 and 12
9 and 11	49 and 21	15 and 22

What do you notice?

Answers

3)

All the factors of 36 are common factors of 36 and 72

Do you agree with Mo?

Explain your reasoning.

Why do you think this happens?

4)

a) List the factors of 60 in order from lowest to highest.

b) List the factors of 84 in order from smallest to greatest.

c) What is the highest common factor of 60 and 84?

5)

Whitney bakes 24 cakes.

Dexter bakes 30 cakes.

Boxes can hold 2, 3, 4, 5, 6 or 10 cakes.

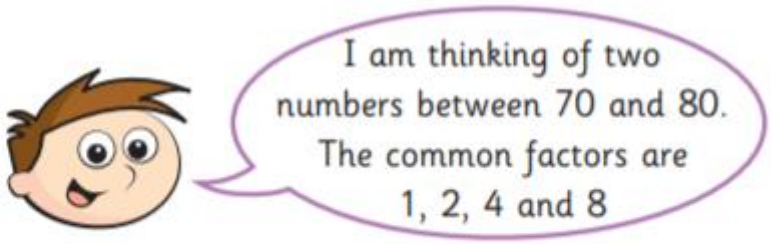
Whitney and Dexter want to share their cakes equally into boxes.

a) Which boxes could Whitney use?

b) Which boxes could Dexter use?

c) Which boxes could they both use?

Challenge

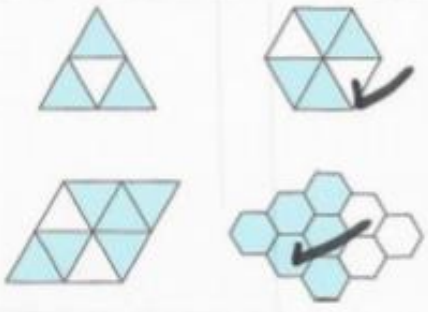


What are the two numbers that Teddy is thinking of?

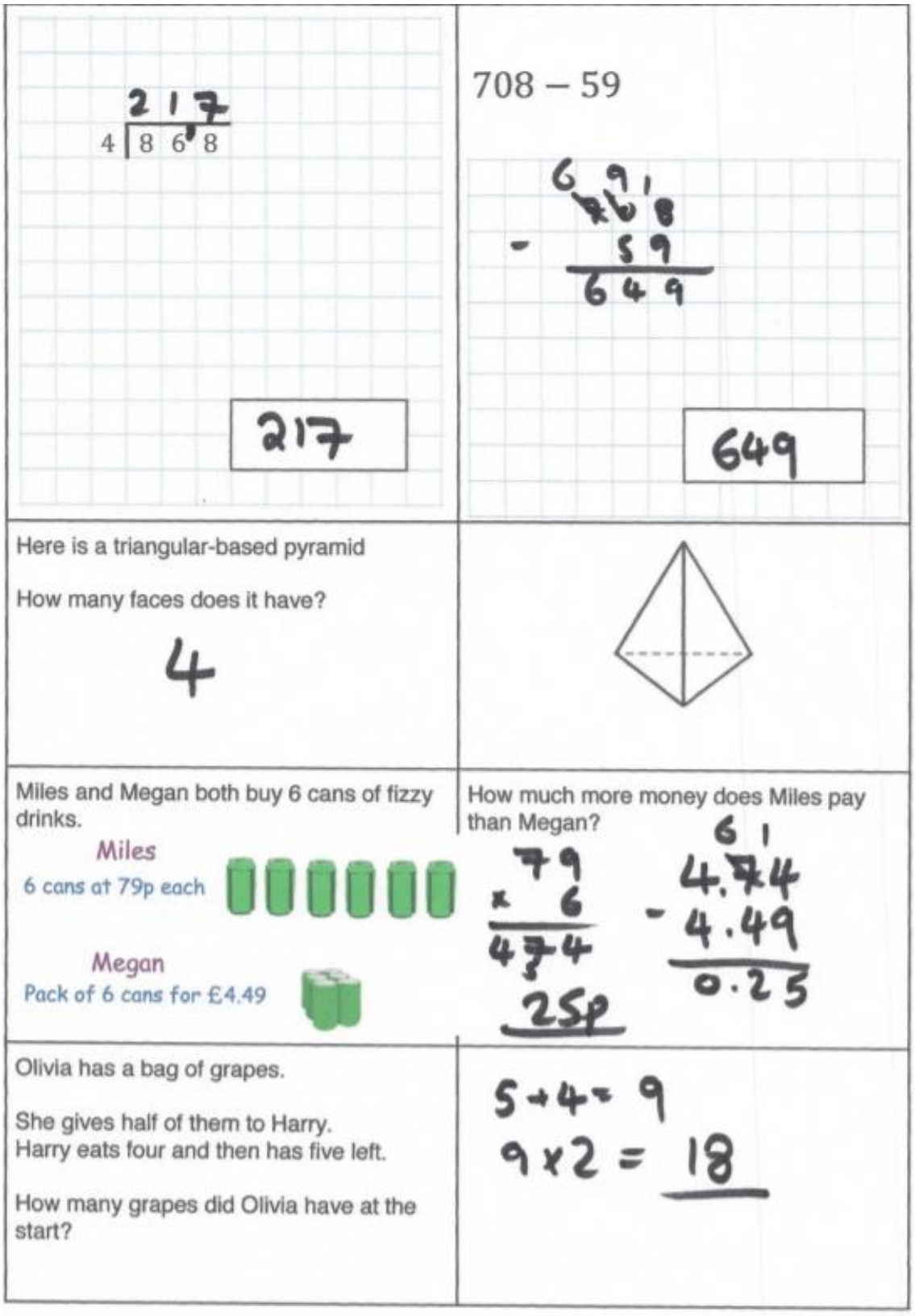
☐ and ☐

ANSWERS

Monday- 5 a day answers

$738 + 300$ 1038	$681 \div 3$ 227 $3\overline{)681}$ 227
Fill in the missing numbers	48 months = 4 years 77 days = 11 weeks 72 hours = 3 days
At the start of December, there were 3,590 video games in a shop. During December, 8,421 more video games were delivered 10,709 video games were sold.	How many video games were left in the shop at the end of December? 3590 + 8421 = 12011 12011 − 10709 = 1302 1302
Tick two shapes that are $\frac{2}{3}$ shaded	

Tuesday- 5 a day answers



217

708 − 59

649

Here is a triangular-based pyramid

How many faces does it have?

4

Miles and Megan both buy 6 cans of fizzy drinks.

Miles

6 cans at 79p each

Megan

Pack of 6 cans for £4.49

How much more money does Miles pay than Megan?

25p

Olivia has a bag of grapes.

She gives half of them to Harry.
Harry eats four and then has five left.

How many grapes did Olivia have at the start?

5 + 4 = 9

9 x 2 = 18

Wednesday- 5 a day answers

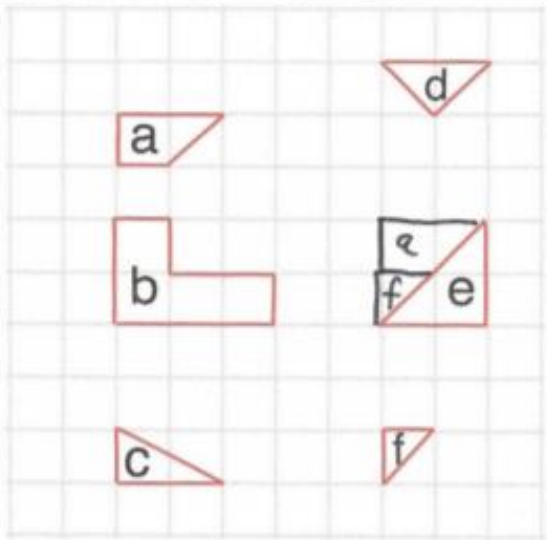
$108 \div 4$

27

287×3

$$\begin{array}{r} 287 \\ \times \quad 3 \\ \hline 861 \\ {\scriptstyle 2\ 2} \end{array}$$

861



Which three shapes can fit together to make a square?

a, e, f

Which shapes do not have lines of symmetry?

b, c, a

A 17:45

B 6:15pm

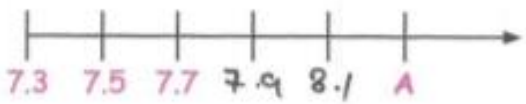
C 20:00

D 5:30pm

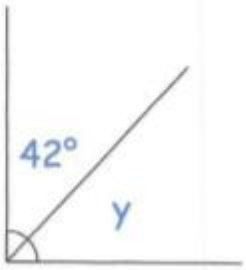
Write the letters for the times in order, starting with the earliest.

D, A, B, C

Thursday- 5 a day answers

$5.4 + 1.3 + 1.5$ 5.4 1.3 1.5 8.2 8.2	$40 \times 40 \times 10$ 40 x 40 = 1600 x 10 = 16000 16000
What number is marked at **A**? 8.3	
It takes Ava 35 minutes to walk home from school. Ava looks at her watch as she begins walking home. What time should Ava get home?	3:10 
At a tournament there are 7 players in a team. There are 36 teams. How many players are there altogether?	36 x 7 252

Friday- 5 a day answers

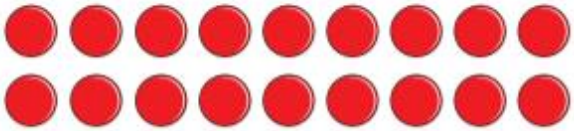
$\frac{3}{10} + \frac{6}{10}$ $\frac{9}{10}$	$622 - 177$ $\begin{array}{r} {}^{1}{}_{1}{}^{1} \\ 5\not{6}\not{2}2 \\ -\ 177 \\ \hline 445 \end{array}$ 445
Round 128.72 to the nearest whole number. 129	Write the digit in the **tenths** place. 7
A right angle is shown. Find the size of angle y $90 - 42 = 48°$	
Abdul has a bag of 50p coins and a bag of 20p coins. Both bags have the same amount of money in. Abdul has 40 coins in the 20p bag. How many coins are in the 50p bag? 16	  £8 ÷ 0.5 = 16 40 × 20p = £8

Task 2- Answers

1 Kim is using counters to find factors of 18

She arranges the counters in one row.

Then she arranges the counters in two rows.



a) Kim's array shows four numbers that are factors of 18

Which numbers are they?

1	2	9	18

b) What are the two other factors of 18?

3	6

c) Use counters to find the factors of 27

List the factors of 27

1 3 9 27

d) List the common factors of 18 and 27

1 3 9

Why are these numbers common factors?

Because they appear in both factor lists for 18 and 27.

2 Complete the sentences.

a) The factors of 24 are 1, 2, 3, 4, 6, 8, 12, 24

The factors of 36 are 1, 2, 3, 4, 6, 9, 12, 18, 36

The common factors of 24 and 36 are 1, 2, 3, 4, 6, 12

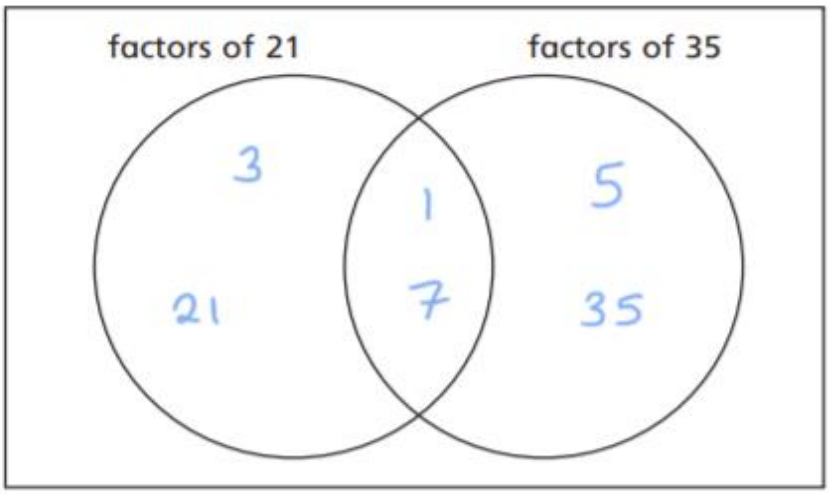
b) The factors of 30 are 1, 2, 3, 5, 6, 10, 15, 30

The factors of 45 are 1, 3, 5, 9, 15, 45

The common factors of 30 and 45 are 1, 3, 5, 15

3 **a)** Write the numbers on the diagram.

1 **3** **5** **7** **21** **35**



b) What are the common factors of 21 and 35?

1, 7

c) How does the Venn diagram help you to list the common factors?

Because you can clearly see them as they appear in the middle on the Venn diagram.

Task 3

1) List the common factors of each pair of numbers.

a) 15 20

1, 5

b) 9 10

1

2) Circle the pairs of numbers that have only one common factor.

2 and 6	3 and 8	15 and 12
9 and 11	49 and 21	15 and 22

3) 

Do you agree with Mo? Yes

Explain your reasoning.

36 is a factor of 72 therefore all of its factors are factors of 72

4)

a) List the factors of 60 in order from lowest to highest.

1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

b) List the factors of 84 in order from smallest to greatest.

1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84

c) What is the highest common factor of 60 and 84? 12

5)

Whitney bakes 24 cakes.

Dexter bakes 30 cakes.

Boxes can hold 2, 3, 4, 5, 6 or 10 cakes.

Whitney and Dexter want to share their cakes equally into boxes.

a) Which boxes could Whitney use?

2, 3, 4, 6

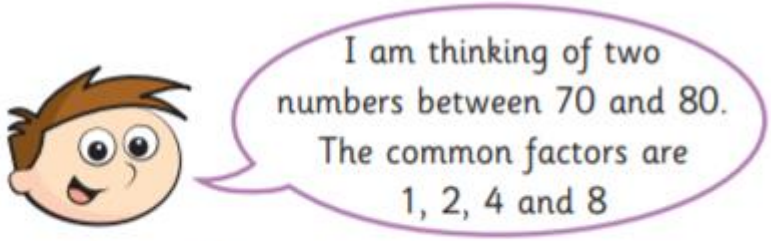
b) Which boxes could Dexter use?

2, 3, 5, 6, 10

c) Which boxes could they both use?

2, 3, 6

Challenge – answers



What are the two numbers that Teddy is thinking of?

72 and 80