

Interleaved practise

Year 6, week 6

Number:

1. Write 0.35 as a fraction and a percentage. $\frac{35}{100}$ 35%

2. Show where these numbers would go on the number line: -6, 12, -24, 9, -15



3. How many pizzas will I need to buy if my friend eats $\frac{3}{4}$ of a pizza and I eat $\frac{5}{8}$ of a pizza?
How much pizza will I have left over?

$$= \frac{3}{4} + \frac{5}{8}$$

$$= \frac{6}{8} + \frac{5}{8}$$

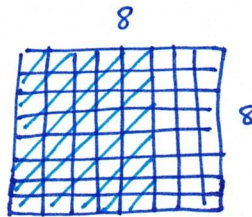
$$= \frac{11}{8}$$

$1\frac{3}{8}$ pizza eaten
I would have to buy 2 pizzas
I will have $\frac{5}{8}$ pizza left

4. $36 \div 10 = \boxed{3.6}$ $36 \div 100 = \boxed{0.36}$

5. $8^2 = \boxed{64}$ Show how you worked it out.

Example $5 \times 8 = 40$
 $3 \times 8 = 24$
 $40 + 24 = 64$



Measurement/Geometry:

6. What units of measurement would you use to measure the following:

Water left in a bucket litres or ml Length of rope needed to tie up your dog metres
Butter for a cake recipe grams The amount of carpet needed for a room square metres

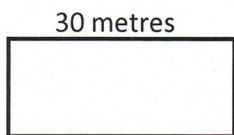
7. Name the 3D objects that have the following faces:

Six square faces cube

Two square faces and four rectangular faces rectangular prism

One square face and four triangular faces square based pyramid

8. This rectangle has a perimeter of 86 metres and a length of 30 metres. What is its area?



$$P \div 2 = L + B$$

$$86 \div 2 = 30 + \square$$

$$43 = 30 + 13$$

$$30m \times 13m$$

$$= 390m^2$$

$$\text{Area} = 390m^2$$

Chance/Data:

$$B = 13m$$

9. I rolled a 6-sided dice 40 times and these are the numbers that I rolled:

1, 3, 2, 5, 6, 3, 5, 3, 4, 1, 2, 1, 2, 3, 6, 4, 1, 6, 3, 5,
5, 1, 2, 4, 4, 4, 3, 3, 4, 2, 6, 3, 4, 3, 2, 3, 3, 3, 1, 2

Use the blank graph to show the results of my experiment. Each square represents 2 rolls of the dice.

1- 6 rolls 2- 7 rolls 3- 12 rolls
4- 7 rolls 5- 4 rolls 6- 4 rolls.

