



Progress check: Entry 3 numeracy

Which operation?

Short task

- 1 Jamil is doing his weekly shopping.
He looks at his watch as he sets off:

09:10

It is a 45-minute trip to the local shops.
What time will he arrive at the shops?

Show your working here:

- 2 This is a list of the items Jamil buys in one shop.

Lettuce	1.20
Apples	2.90
Tomatoes	1.80
Pears	2.10

- a By rounding each price to the nearest pound, estimate the total cost of these items.

Show your working here:

- b Roughly how much change will he expect from a £20 note?

Show your working here:

- 3 He is buying for his daughter's lunchbox. His daughter takes one bag of crisps and one carton of juice each day, five days a week (Monday to Friday).

- a Crisps come in packs of 25 bags. How many weeks will one 25-bag pack last her?

Show your working here:

- b Cartons of juice come in packs of three.

How many packs does Jamil need to buy for her lunchboxes for next fortnight (two weeks)?

Show your working here:

- 4 He buys some cheese and some brown rolls.

- a He can buy cheddar cheese in a pre-packed wrapper.

How much is this cheese per kilo?



Show your working here:

- b He decides to buy cheese loose by weight. It costs £6.00 per kg, but his daughter prefers the taste. The deli assistant weighs out a piece of cheese for Jamil.

Here is the reading on the deli scales:

Roughly how much will this piece of cheese cost?



Show your working here:

5 Rolls come in packs of 20 or packs of six.

a Which size pack is best value (cheapest per roll)?

Circle the best value pack:

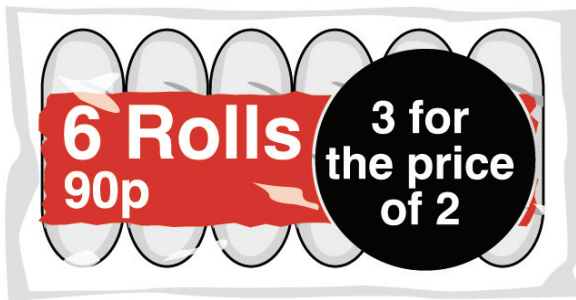


Show your working here:

b Jamil notices that another type of roll has a special offer on.

Jamil works out how much this works out per roll.

Circle the right calculation.



$$90 \times 2 = 180$$
$$6 \times 3 = 12$$
$$\frac{180}{12} = 15\text{p per roll}$$

$$6 \times 3 = 18$$
$$90 \times 2 = 180$$
$$\frac{180}{18} = 10\text{p per roll}$$

Mini-test: Which operations? (Entry 3)

- 1 The population of a village in 1970 was 984. Its population in 2000 was 1,394. Which of these does **not** give the increase in the population?

a $1394 - 984$ b $984 - 1394$ c $400 - 6 + 16$ d $16 + 394$

- 2 Mai Lin earns £947 per month. Her employer then offers its workforce a 6% pay rise, which will give Mai Lin an extra £57 per month. How much will Mai Lin's new monthly wage be?

a $947 + 6$ b $57 + 6 + 947$ c $947 + 57$ d $947 - 57$

- 3 Jason is saving £360 to buy a new MP3 player. He is currently saving £9 a week. How many months will it take him to save the full amount?

a 40 months b 32 months c 10 months d 4 months

- 4 Norma has 30 hens, who each lay an average of six eggs in a week. How many eggs does Norma get in a week?

a 5 b 180 c 36 d 24

- 5 What number goes in the box to make this equation correct?

- 256 = 491

a 245 b 657 c 747 d 655

- 6 In a five-a-side competition, 35 people are being divided into teams of five. Which of these is **not** a way of working out this calculation?

a $5 \div 35$ b $35 \div 5$ c $5 \overline{)35}$ d $5 \times 7 = 35$