

Divide by 10, 100 and 1,000



Pictorial



1) Use the place value grid below to answer the following questions:

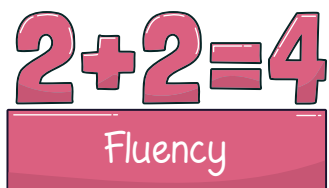
$$240 \div 10 =$$

$$240 \div 100 =$$

$$240 \div 1,000 =$$

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	tenths	hundredths

Divide by 10, 100 and 1,000



2)

$$a) 5,300 \div 100 =$$

$$e) 363 \div 1,000 =$$

$$b) 6,000 \div 1,000 =$$

$$f) 390 \div 100 =$$

$$c) 45 \div 10 =$$

$$g) 47.8 \div 10 =$$

$$d) 646 \div 100 =$$

Divide by 10, 100 and 1,000



Comparing



3) Use $<$, $>$ or $=$ to compare the following:

$$234 \div 10$$

$$2,340 \div 1,000$$

$$4,290 \div 100$$

$$429 \div 100$$

Divide by 10, 100 and 1,000



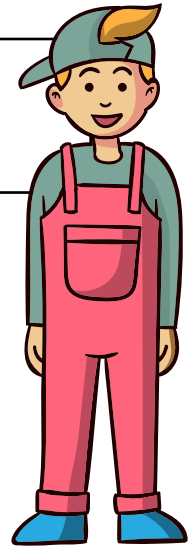
Explanation



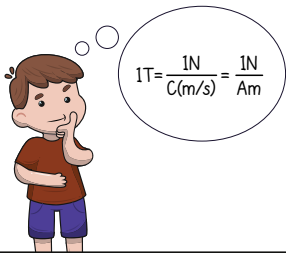
4) George says:

I have 7,850 pennies so I have £785.

Is George correct?



Divide by 10, 100 and 1,000



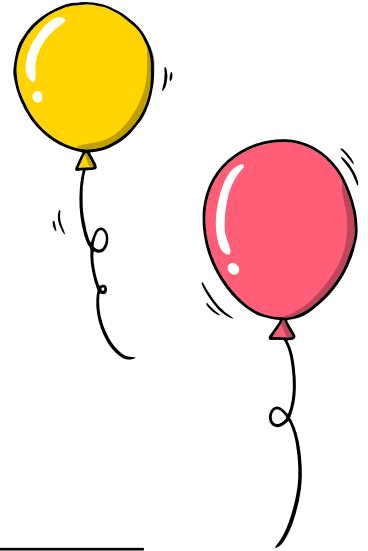
Problem solving



5) Mandy's party shop needs to order more helium balloons.

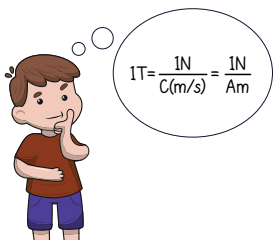
Bunches and Sons sell 100 balloons for £321.

Floaty Co. sell 1,000 balloons for £3,080.



Which shop is offering the best price per balloon?

Divide by 10, 100 and 1,000



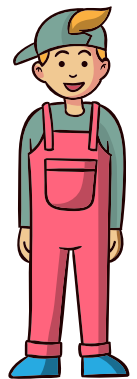
Problem solving



6) Mrs Hammer bought 800cm of sticky back plastic to cover books with.

Each book needs 41.5cm of sticky back plastic.

Does she have enough to cover 10 books? What about 100 books?



Divide by 10, 100 and 1,000

8	
6	2

Pictorial



ANSWERS

1) Use the place value grid below to answer the following questions:

$$240 \div 10 = 24$$

$$240 \div 100 = 2.4$$

$$240 \div 1,000 = 0.24$$

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	tenths	hundredths

Divide by 10, 100 and 1,000

2+2=4

Fluency



ANSWERS

2)

$$a) 5,300 \div 100 = 53$$

$$e) 363 \div 1,000 = 0.363$$

$$b) 6,000 \div 1,000 = 6$$

$$f) 390 \div 100 = 3.9$$

$$c) 45 \div 10 = 4.5$$

$$g) 47.8 \div 10 = 4.78$$

$$d) 646 \div 100 = 6.46$$

Divide by 10, 100 and 1,000



Comparing



ANSWERS

3) Use <> or = to compare the following:

$$234 \div 10$$

23.4



$$2,340 \div 1,000$$

2.34

$$4,290 \div 100$$

42.9



$$429 \div 100$$

4.29

Divide by 10, 100 and 1,000



Explanation

E

ANSWERS

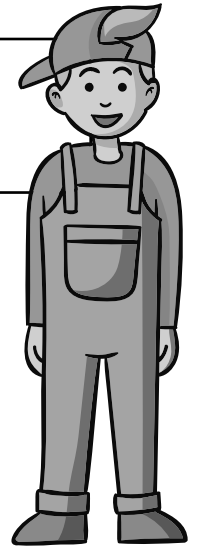
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4) George says:

I have 7,850 pennies so I have £785.

Is George correct?

George is incorrect because he should have done $7,850 \div 100 = £78.50$



Divide by 10, 100 and 1,000



$$1T = \frac{1N}{C(m/s)} = \frac{1N}{Am}$$

Problem solving

E

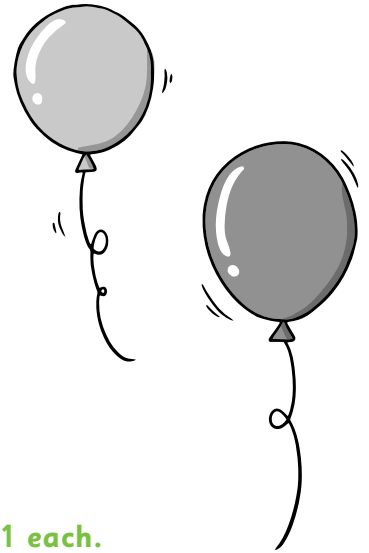
ANSWERS

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5) Mandy's party shop needs to order more helium balloons.

Bunches and Sons sell 100 balloons for £321.

Floaty Co. sell 1,000 balloons for £3,080.



Which shop is offering the best price per balloon?

Bunches and Sons sell balloons for £3.21 each.
Floaty Co. sell balloons for £3.08 each so they offer the best price per balloon.

Divide by 10, 100 and 1,000



$$1T = \frac{1N}{C(m/s)} = \frac{1N}{Am}$$

Problem solving

E

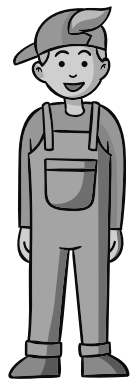
ANSWERS

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6) Mrs Hammer bought 800cm of sticky back plastic to cover books with.

Each book needs 41.5cm of sticky back plastic.

Does she have enough to cover 10 books? What about 100 books?



$800 \div 10 = 80$ cm so yes there is enough for 10 books.
 $800 \div 100 = 8$ cm so no there is not enough for 100 books.