Class: $\qquad$ Date: $\qquad$

Complete the missing parts of this multiplication grid.

| $\times$ | 30 | $A$ |
| :---: | :---: | :---: |
| 20 | $B$ | $C$ |
| 3 | $D$ | 18 |

$A=\square$
$B=\square$
$C=\square$
$\mathrm{D}=\square$

2 There are 24 pencils in a box.
How many pencils are there in 28 boxes?

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| Show |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| your method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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3 On a whole-school trip I adult is needed for every 8 children. If I 33 children go on the trip, how many adults are needed?

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4 Which is the larger amount?
$\frac{1}{5}$ of $£ 545 \quad \frac{1}{6}$ of $£ 636$
You must show your working in the box below.

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Samara is trying to find $\frac{3}{5}$ of $\mathbf{2 5 5}$. She says the best way is to divide 255 by the denominator then multiply that answer by the numerator.
Show how she did this in the box below.


Which has the longer perimeter: a square with sides of 127 mm or an equilateral triangle with sides of 176 mm ?
You must show your working in the box below.

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| your method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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The shape with the longest perimeter is the $\qquad$

A One pair of parallel sides No right angles One line of symmetry

B Four right angles
Four lines of symmetry
Two pairs of parallel sides
C Two lines of symmetry
Two pairs of parallel sides
Four right angles


D No right angles
No lines of symmetry
Two pairs of parallel sides


8 Draw each polygon. Each corner must be on a dot. Use a ruler.

a) A quadrilateral that is not a rectangle
b) An isosceles triangle that does not have a right angle
c) A heptagon
d) A pentagon with a right angle


9 Draw lines to match the description with the imperial unit you would use to measure it.
a) Distance from London to Manchester
b) Capacity of a jug
c) Span of a hand
d) Mass of a bag of sugar
pints
miles
pounds
inches

8 kilometres (metric) is equivalent to 5 miles (imperial).
In England, Peter travels 20 miles from his home to work.
In France, Pierre travels 24 kilometres from his home to work.
Who travels the furthest?
You must show your working in the box below.

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II Write the two missing fractions in each sequence.
a) $\frac{1}{8}$
$\frac{3}{8}$

$\frac{7}{8} \quad 1 \frac{1}{8}$

$1 \frac{5}{8}$
b) $4 \frac{3}{4}$
$4 \frac{1}{4}$ $\square$ $3 \frac{1}{4}$
$2 \frac{3}{4}$

$1 \frac{3}{4}$

12
a) Change the improper fraction to a mixed number.

b) Change the mixed number to an improper fraction.

$$
3 \frac{9}{10}=\square
$$

13 7 children are eating pizzas. Each child's pizza is cut into 8 slices. If each child eats 5 slices of their pizza, how much pizza in total has been eaten by the 7 children?
Use the box below to show your working and give your answer as a mixed number.

| Show your method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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Use the table below to answer the following questions.
School house point scores in Autumn term

| Greens | 1753 |
| :--- | ---: |
| Blues | 256 I |
| Reds | 862 |
| Yellows | 937 |

14 How many more points did Blues score than Greens?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Show |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| your |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| method |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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15 How many points did Greens, Reds and Yellows score altogether?


## For teacher use

| Your mark |  |
| :--- | :--- |
| What went well |  |
|  |  |
| How to improve |  |
|  |  |
|  |  |

