Name: _____

identifying factors and multiples

a) Circle the factors of 24.

1 2 3 4 5 6 8 10 12 16 24

b) Write 4 factors of 100. _____ _____ _____ _____

c) Circle the numbers that are multiples of 9.

24 27 32 36 72

d) Jay wrote a pattern of numbers that are divisible by BOTH 3 and 4.

i) What's the first number in the pattern? _____

ii) What's the fourth number in the pattern? _____

---

multiplying large numbers by one and two-digit numbers

a) 28 x 6 = _____

b) 375 x 8 = _____

c) 45 x 38 = _____

d) 364 x 49 = _____

problem solving

a) Each box contains 48 cans of beans. How many cans in 8 boxes?

_____

b) Buses can carry 76 adult passengers. What's the maximum number of adult passengers allowed on 38 buses? _____

c) There are 6 boxes each weighing 85 kg AND 34 boxes each weighing 27 kg on a crate. Which shows the total weight of all the boxes?

◯ 85 + 6 x 27

◯ (6 x 85) + (34 x 27)

◯ (27 + 85) + (34 + 6)

◯ (27 x 85) + (34 x 6)

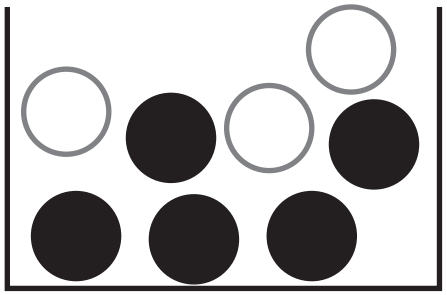
Name: _____

problem solving

a) Julie wants to share 273 tokens equally among 7 people. How many tokens will each person get? _____

b) Sammy has 224 tennis balls to pack in containers of 6 each. How many containers will Sammy need and how many balls will be left over? _____

identifying fractions



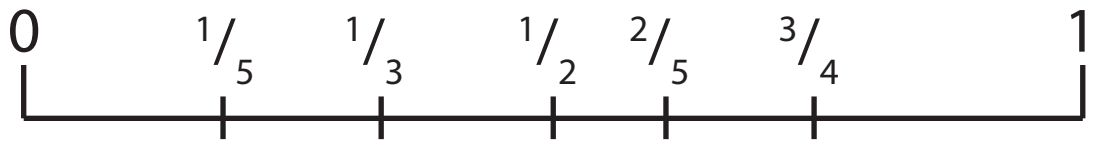
The box has white and black balls as shown.

a) What fraction of balls are white? _____

b) Three black balls are removed from the box. What fraction of balls are white? _____

fractions on a number line

Five fractions are placed on the number line.



Circle the fraction that's in the INCORRECT spot.

problem solving involving fractions

a) Andrea ate 1/4 of a pizza. Henry ate half.

What fraction of the pizza is left? _____

b) Three children shared a bag of 100 sweets until non were left.

The first child took one fifth. The second child one half.

How many sweets did the third child take? _____

Name: _____

comparing decimals

Circle the largest decimal. Underline the smallest.

0.79 0.18 0.8 0.09 0.68 0.45

Write a decimal number that lies between the two numbers shown.

a) 0.46 _____ 0.6 b) 0.17 _____ 0.26

balancing equations

Balance each equation.

a) 6 + 7 = 22 - _____

b) _____ x 20 = 10 x 10

c) 22 x 4 = 100 - _____

d) 54 ÷ 9 = _____ ÷ 6

e) 12 x 12 = 6 x _____

f) 9 x _____ = 324 ÷ 4

simple financial plans

Alexia earns $100 per week. She spends some of the money on activities. The rest she saves.

Activity	cost $
gym fee	14
piano lessons	30
swimming	12.50
karate	16
savings	

a) How much does Alexia save each week? _____

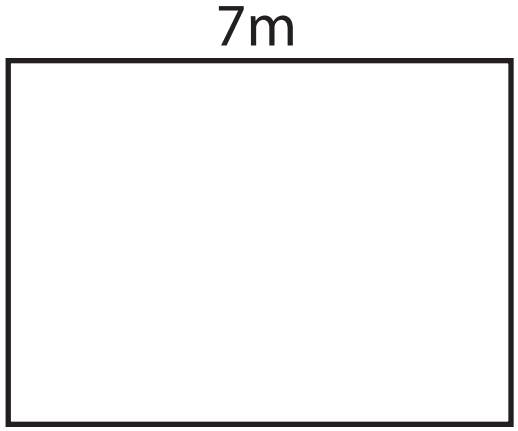
b) At least how many weeks will it take Alexia to save $200? _____

c) Alexia's friend David spends the same amount of money on swimming and karate. If he spends $8 on karate, how much does he pay for swimming? _____

Name: _____

area and perimeter

Shown are the dimensions for a small yard.



a) Calculate the area and perimeter of the yard.

area: _____

Perimeter: _____

b) How much will it cost to completely fence the yard if fencing costs $20 per metre? _____

---

converting between 12- and 24-hour time

The table shows the arrival times for five flights.

Flight	Arrival Time
QF 224	6:22
BA 677	11:45
EM 904	16:36
SA 811	20:18
JP 463	23:58

a) Which flight arrives between 4pm and 5pm? _____

b) How many flights arrive before midday? _____

c) Flight SA 811 left its destination at 13:26. What time is this in 12-hour time? _____

d) The first flight on the following day arrives 1 hour and 12 minutes after flight JP 463. In 24-hour time, what's its arrival time _____

---

choosing the appropriate units of measurement

Circle the most appropriate unit for measuring:

The width of a classroom: mm cm m km

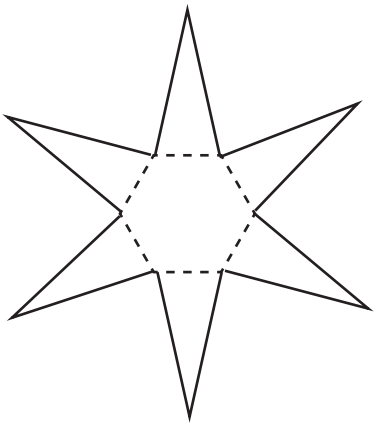
The capacity of a bucket: mL L

The mass of an average sized adult: g kg t

Name: _____

nets of 3D objects

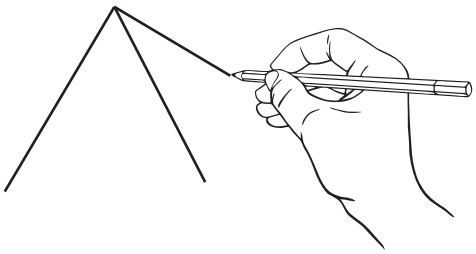
a) Which 3D object will this net make?



- ◯ hexagonal pyramid
- ◯ hexagonal prism
- ◯ octagonal prism
- ◯ pentagonal pyramid

b) Cathy made a 3D object using two identical five sided shapes and five identical rectangles.
Which object did she make? _____

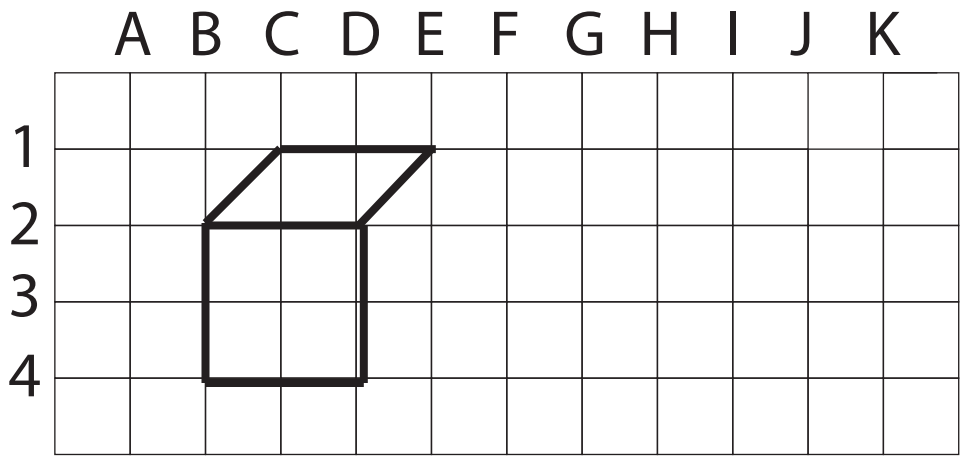
c) Paul started drawing a 3D object. Which 3D object is he drawing?



- ◯ hexagonal prism
- ◯ rectangular prism
- ◯ octagonal prism
- ◯ square pyramid

Use grid reference

Jen is drawing a cube on grid paper.
Which point on the grid will become part of the cube?

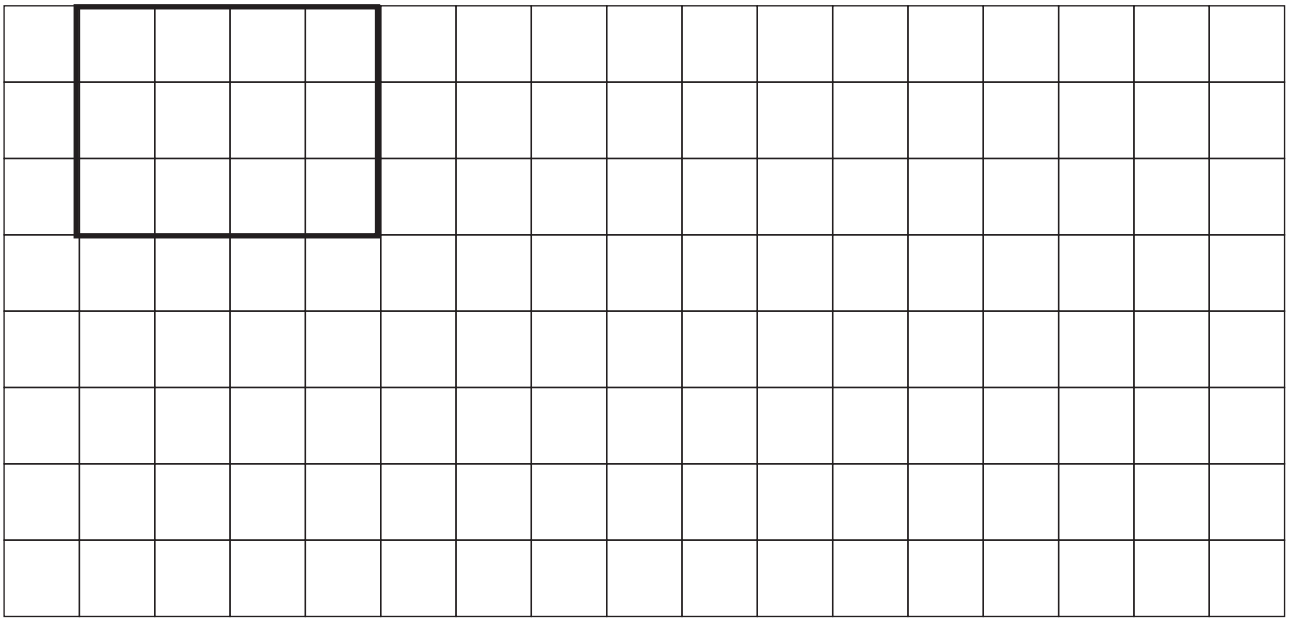


- ◯ F 2
- ◯ E 3
- ◯ F 5
- ◯ E 5

Name: _____

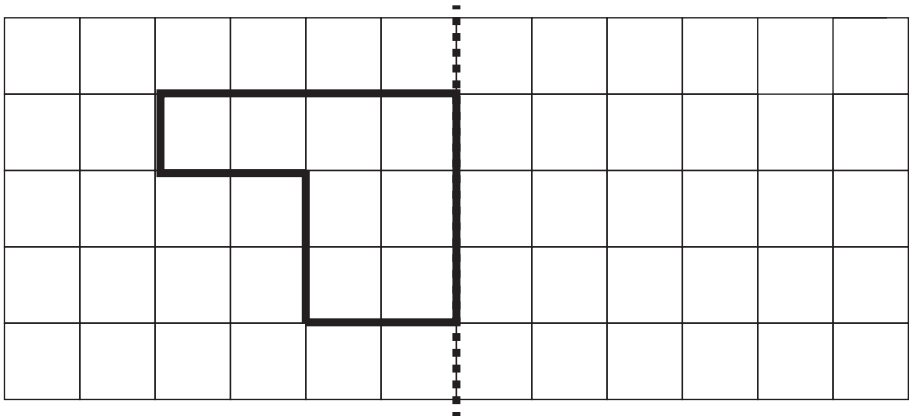
transformation - enlargement

Draw an enlarged rectangle by doubling its dimensions.

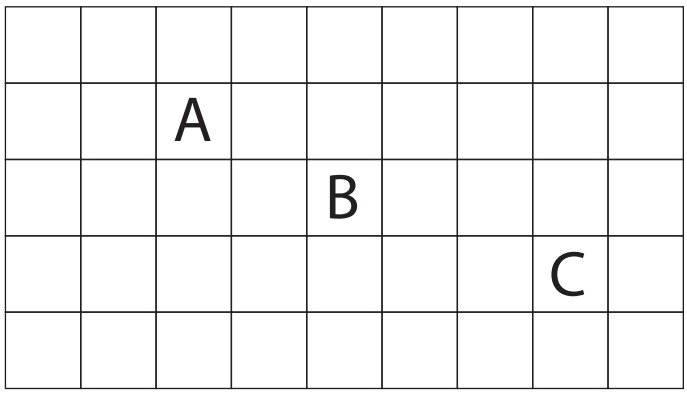


transformation - reflection

Draw this shape's reflection.



grid reference to describe locations



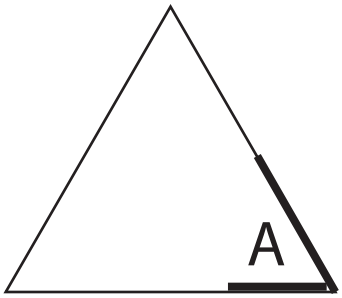
The letter 'A' is at (3,2)
The Letter 'B' is at (5,3)

What's the grid reference for the letter 'C'? _____

Name: _____

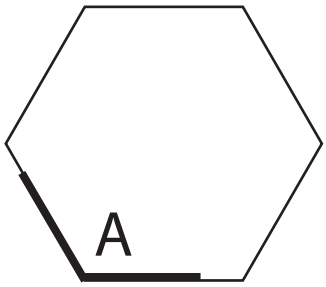
estimating angles using degrees

Which is the best estimate for each angle marked 'A'?



○ 60° ○ 22°

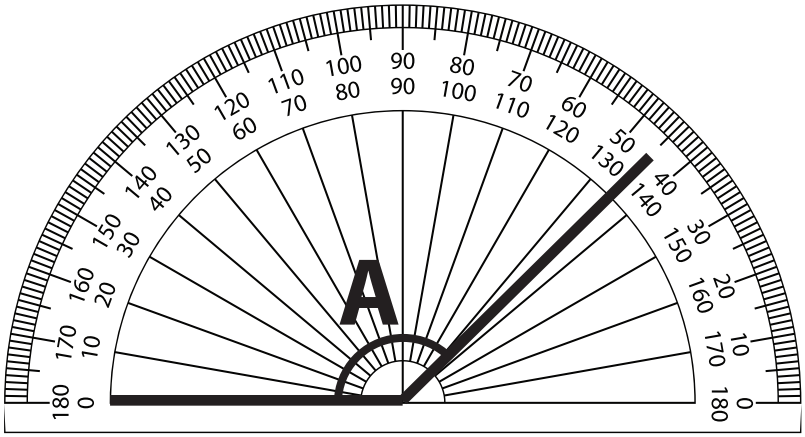
○ 85° ○ 105°



○ 90° ○ 175

○ 75° ○ 120°

measuring angles using a protractor



What's the size of angle 'A'?

_____

represent probabilities using fractions

These numbers are placed in a bag. Without looking Tony chooses a number.

3 6 6 4 8

3 9 4 7 6

a) What is the most-likely number that Tony chooses? _____

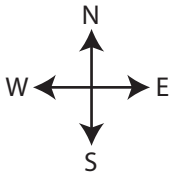
b) What's the chance of choosing either a 3 or 6?

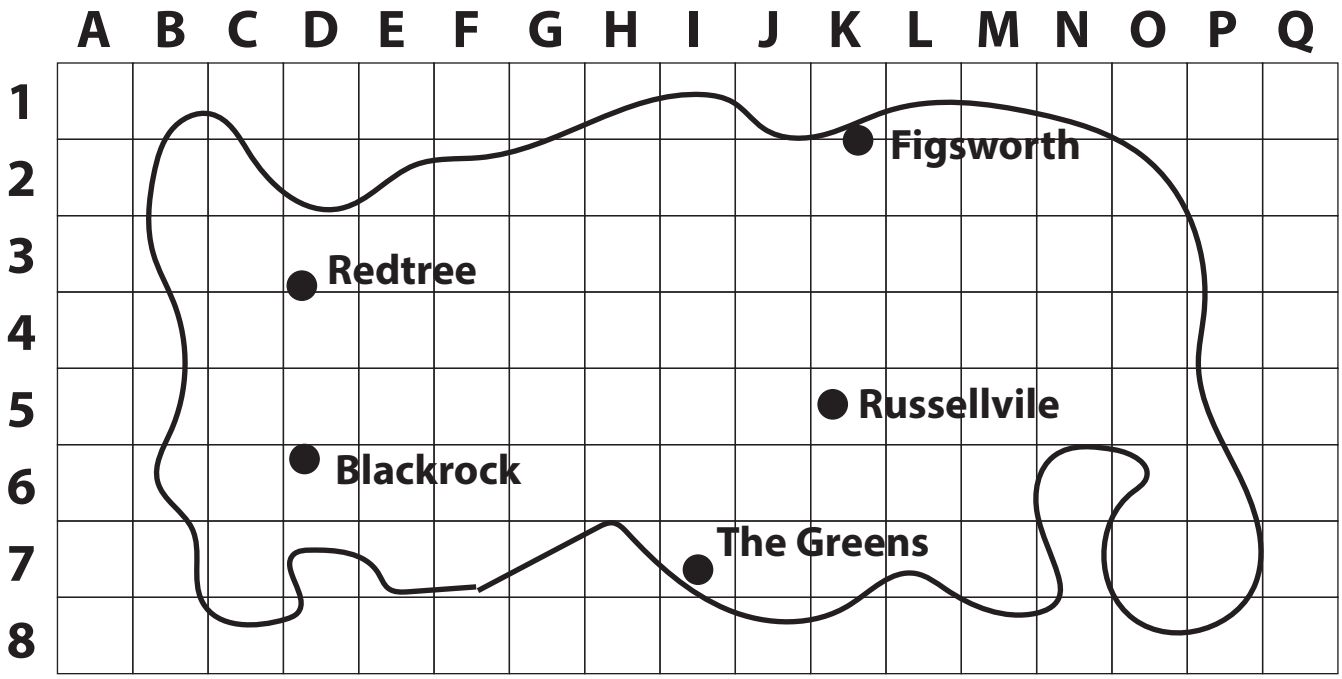
○ 1/4 ○ 1/5 ○ 1/3 ○ 1/2

Name: _____

interpret simple maps

A map of the island of Boha is shown.





☐ = 5 km

yacht →

a) A town is being built north-west of 'Russellville. What is its most-likely grid reference?

G,5 ⬭ H,2 ⬭ M,7 ⬭ N,3 ⬭

b) About how far is Blackrock from Russellville?

23 km ⬭ 37 km ⬭ 52 km ⬭ 70 km ⬭

c) If the yacht sails 25 km north, what would its grid reference be? _____

d) What direction is The Greens from Redtree?

north-east ⬭ south-west ⬭ south-east ⬭ north-west ⬭

Name: _____

chance

These cards are flipped over then rearranged.

8	5	4	4	3	8	4	1	7	1

a) From a range from 0 to 1, what's the chance of choosing the number 3?

0.1 ⬭ 0.3 ⬭ 0.5 ⬭ 0.8 ⬭

b) Which number has a 0.3 chance of being chosen?

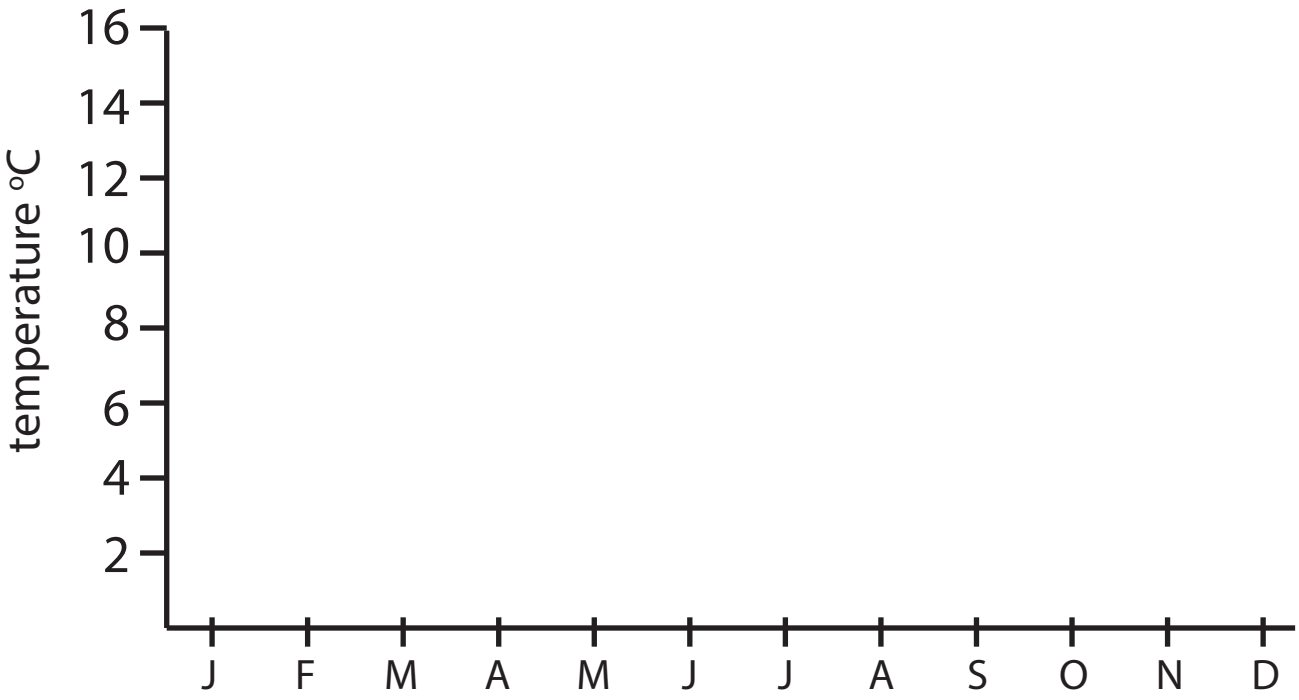
1 ⬭ 3 ⬭ 4 ⬭ 8 ⬭

data

The table shows the average monthly temperature for Dublin (°C)

J	F	M	A	M	J	J	A	S	O	N	D
5	5	7	8	11	14	16	16	14	11	8	7

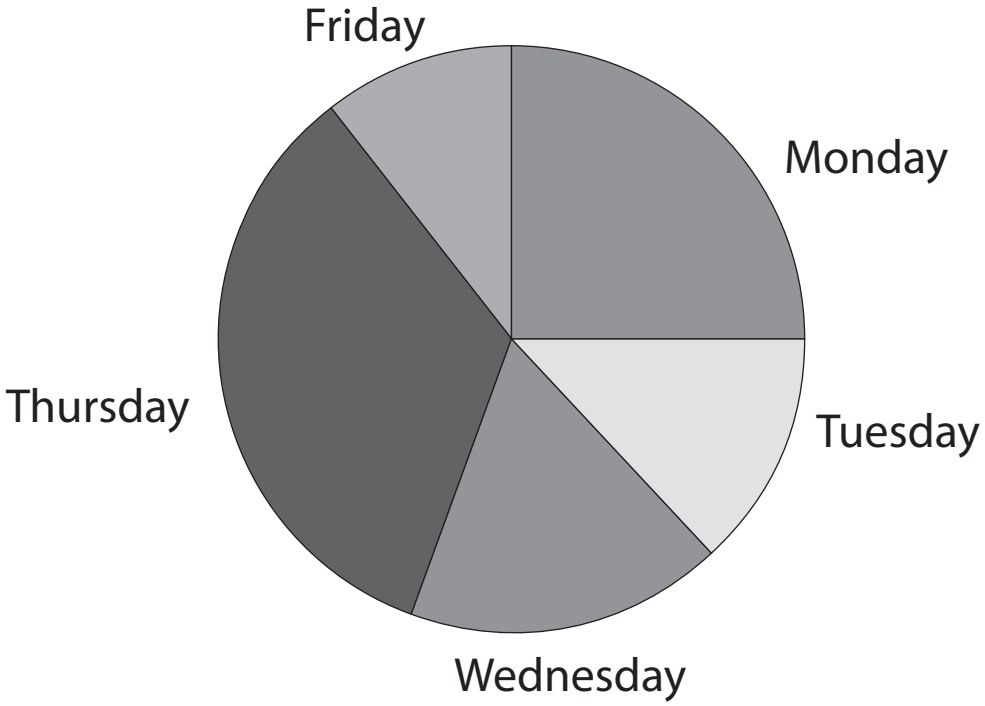
Present the information on the line graph.



Name: _____

data

This pie graph shows the daily sales for the number of pies sold.
If 1000 pies were sold in the week:



a) How many pies were sold on Monday?

100 ◯ 150 ◯ 250 ◯ 400 ◯

b) About how many pies were sold on Friday?

20 ◯ 100 ◯ 200 ◯ 250 ◯

c) Which statement is true?

◯ The most number of pies were sold on Monday.

◯ More pies were sold on Tuesday than Thursday.

◯ More than half the week's pies were sold on Thursday and Friday.

◯ A quarter of the week's pies were sold on Monday.

Name: _____

reading tables

The table shows ice cream sales for this week by the time of day.

DAY	morning	afternoon	evening
Monday	20	33	45
Tuesday	15	45	56
Wednesday	41	43	56
Thursday	19	50	70
Friday	48	52	84

a) At which time of the day are sales at their highest? _____

b) On which day were the most ice creams sold? _____

c) This week's Thursday evening sales are DOUBLE last weeks. How many ice creams were sold last week on Thursday evening? _____