NAME:_____ DATE:_____

SPEED

1. Click the correct speed shown on each speedometer. Look carefully.



200 km/h 200 mph

246 km/h 246 mph



3 mph 5 mph

10 mph 15 mph



1 mph 5 mph

1 km/h 5 km/h



25 mph 30 mph

33 mph 39 mph



80 km/h 80 mph

85 km/h 85 mph



60 mph 61 mph

60 km/h 67 km/h

2. Complete the following table by typing the words FAST or SLOW under each picture.



_____



_____



_____



_____



_____



_____



_____



_____

LIVEWORKSHEETS

3. **In each scenario, click the NAME of the person who will MOST likely reach Grandma's house first.**

a. SAM is running five miles to Grandma and PETER is riding his bicycle one mile.

b. RENE is walking 10 miles to Grandma and her sister HEATHER is jogging the 10 miles.

c. HARVEY, a star swimmer on the team, is swimming two miles to Grandma and HELEN is coming from 100 miles away in a speed boat.

d. JENNY and FRAN started walking together at the same speed, but Fran stopped three times to chat.

e. DAN is in a car coming from 6 miles away and GEORGE is on roller skates half a mile away.

4. In each row, drag the following in order from **SLOWEST** to **FASTEST**.

a. An aeroplane A bicycle A race car

b. A train A space rocket A horse and cart

c. A boy swimming A speed boat A row boat

d. A cheetah A bear A giraffe

LIVEWORKSHEETS

5. a. Click on the correct word to complete the sentence.

Speed is a way of saying how far you travel in a certain **TEAM** **TIME** **TURN**.

b.Click on ALL the units which can be used to measure speed.

Kilometres per hour **grams** **miles per hour** **metres per second** **hours**

6a. Which car will stop the quickest? The car travelling at:

70mph **50mph** **100mph** **30mph** **80mph**

b. Select ALL the measurements of LENGTH.

seconds **metres** **newtons** **miles** **kilometres**

c. Select ALL the measurements of TIME.

minutes **seconds** **metres** **litres** **hours**

7a. Fill in the gaps using words from the box.



To work out a speed, you need to know a

_ _ _ _ _ _ _ _ _ and a _ _ _ _ .

The equation for calculating speed is:

$$\text{_ _ _ _ _ _ _} = \frac{\text{distance}}{\text{time}}$$

LIVEWORKSHEETS

b. Things do not always move at a _ _ _ _ _ _ _ speed.

The mean speed of something is the _ _ _ _ _ _ distance it has travelled,

_ _ _ _ _ _ _ _ _ by the total time taken for the _ _ _ _ _ _ _ _ .

distance	divided	journey	speed	steady	time	total

8. The units for speed depend on the units for the distance and the time. Fill in the table, using words from the box.

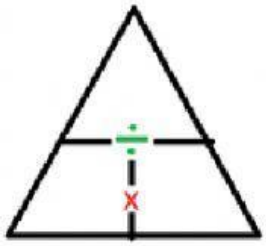
Units for distance	Units for time	Units for speed	
miles	hours		mph
kilometres		kilometres per hour	
	seconds		m/s

hours	km/h	metres	metres per second	miles per hour

Speed can be calculated using the equation: SPEED = DISTANCE / TIME.

The unit of measurement for speed depends on the units for distance and time used.

Complete the triangle to the right using S, D and T.



9a. Calculate the speed of a horse travelling 700 kilometers in 35 hours.

Speed = _____ / _____

= _____ km / _____ h

= _____ km /h

LIVEWORKSHEETS

b. Calculate the speed of a giraffe travelling 70 miles in 2 hours.

Speed = _____ / _____

= _____ m / _____ h

= _____ mph

10a. How far (***distance***) does a truck travel if it is travelling at 20 meters per second for 30 seconds?

Distance = _____ X _____

= _____ m/s X _____ s

= _____ m

b. How far (***distance***) does a Jet plane travel if it is travelling at 550 miles per hour for 12 hours?

Distance = _____ X _____

= _____ mph X _____ h

= _____ miles

11a. How long (***time***) does it take a cat to travel if it runs 20 meters at 5 meters per second?

Time = _____ / _____

= _____m / _____ m/s

= _____ s

LIVEWORKSHEETS

b. How long (***time***) does it take a pizza delivery guy to travel if he 60 miles at 15 miles per hour?

Time = _____ / _____

= _____miles / _____ h

= _____ mph

12. Complete the following table. Round you answer to the nearest WHOLE NUMBER. Place a tick in the column containing the EQUATION that you are to use for the correct answer.

The first one has been done for you.

	Distance	Time	Speed	Equation Used		
				S = D /T	D = S x T	T = D / S
a	132 miles	11 h	**12 mph**	✓		
B	16 km	4 h	___ km/h			
c	192 meters	32 s	_____m/s			
d	440 km	_____h	88 km/h			
e	_____ miles	75 hr	575 mph			
f	540 meters	_____ s	2.5 m/s			

LIVEWORKSHEETS