Apprentice / Trainee Pre-selection Exercise

Congratulations on choosing a career in the Automotive Industry.

This is an exciting time to be entering the retail motor industry and in particular this organisation is looking forward to your potential involvement.

Please print your name, address and contact details below.

My name is (please print) _____

Address _____

_____

Date of Birth _____

Mobile Number _____

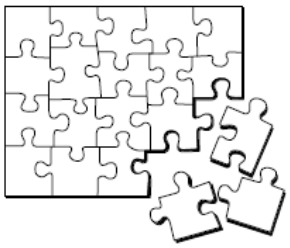
Telephone Number _____

Email address _____

Final year of schooling
(Year 9, 10, 11, or 12) _____

I am interested in commencing
my career in the trade of? _____

Instructions



This pre-selection exercise is in 4 parts. We call these parts a) general information, general knowledge and motivation, b) calculations and problem solving, c) leverage and rotation and) comprehension.

The exercise should take you about 40-60 minutes.

Any workings out could be done on the actual page or on the back of these papers. Ensure that you leave only your answer in the space provided.

Part A – General

Question 1. My reason for wanting this apprenticeship is

Question 2. What type of work or responsibilities do you think an apprentice may do?

Question 3. What are your hobbies?

Question 4. The sports that I play are

Question 5.

(a)	Who is the captain of the Australian Cricket team?	
(b)	How many States in Australia?	
(c)	What is the Capital of Queensland?	
(d)	Who is the Prime Minister of Australia?	
(e)	In what year did Captain Cook discover Australia?	
(f)	Name three types of cars manufactured in Australia?	
(g)	Name three types of cars manufactured overseas?	
(h)	What is the capital city of Australia?	
(i)	What is the road rule regarding a "yellow" traffic light?	

Part B – Calculations

Question 6. (Addition)

+ 99	+ 56	+ 1.75
88	74	30.672
_____	_____	_____
_____	_____	_____

Question 7. (Subtraction)

- 143	- 1842	- 2943
97	766	1429
_____	_____	_____
_____	_____	_____

Question 8. (Multiplication)

i 17 x 11 = _____

Ii 5 x 7.6 = _____

Iii 9 x 69 = _____

Iv 13 x 3.2 = _____

Question 9.

(a) You have purchased three tools to add to your tool kit - a screw driver @ $16.00, pliers @ $12.90 and a shifting spanner @ $12.15. What is the average price paid for each tool?

_____

(b) A car travels 580 kilometres between 7am and 3pm. What is the average speed?

_____

Question 10.

(a) How many millimetres in a metre? _____

(b) There are 6 steel bars. Each is 65 centimetres long. What is the total length of all the steel bars? _____

(c) 12 divided by 0.25 _____

(d) 2 x m x 7 = 42. What is the value of m in the sum? _____

(e) What is .25 of 800? _____

(f) $\frac{7}{22} \times \frac{66}{49} =$ _____

Question 11. (Add the following)

(a) 1 ½ + 3/64 = _____

(b) 1cm + 3mm = _____

_____

Question 12 (Subtract the following)

(a) 1cm – 3mm = _____

(b) 7.5 – 2.25 = _____

Question 13

(a) 13 hours @ $13.75 per hour

_____

_____

(b) Sue buys a car for $2300.00. Its price was $2700.00. What was the percentage saving on the original price?

_____

_____

(c) Seven times a certain number is the same as nine more than four times the same number. Find the number? (Hint : Use equations)

_____

_____

(d) At a school there is a ratio to boys to girls of 2:3. If there are 2700 students at the school, how many are girls?

_____

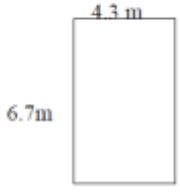
_____

(e) In 20 hours a car travels 1100 kilometres. How far would the car travel in 11 hours at the same rate (or speed)?

_____

_____

(f) Calculate the area in square units to the correct 1 decimal point



_____

_____

_____

_____

_____

Question 14

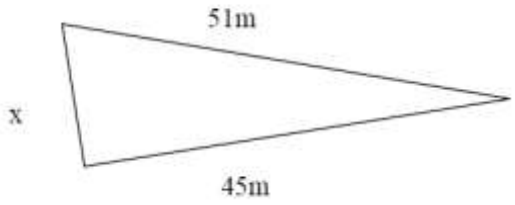
Children's tickets to the speedway are half the price of the adult tickets. When three adults and five children bought tickets, they spent $41.80 in total. How much does an adult ticket cost?

Question 15

Doug bought four ice creams which are the same and received $2.80 change from a $10.00 note. How much did each ice cream cost?

Question 16

Using Pythagoras theorem find x

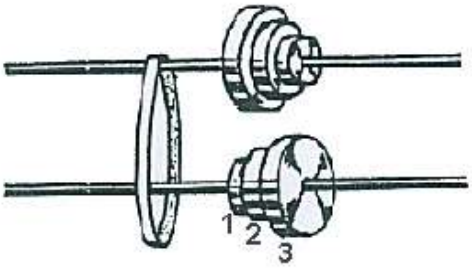


Part C – Leverage and Rotation

Please ☑ beside the answer that you believe is correct

Question 17

On which of the three lower pulleys would you need to attach the belt to make the lower axle rotate slower than the higher axle?



A ☐ On pulley 1
B ☐ On pulley 2
C ☐ On pulley 3

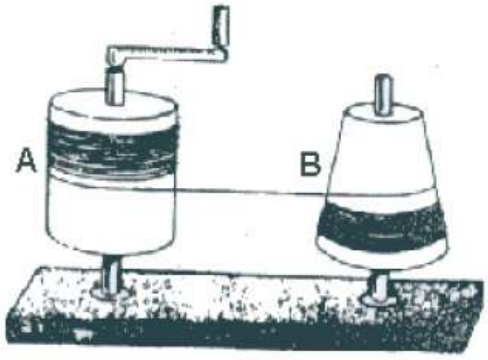
Question 18

When wheel x turns it drives the other wheels.
In such a circumstance wheel y will turn:

A ☐ Faster than X
B ☐ Slower than X
C ☐ At the same speed as X
D ☐ Will not move

Question 19

The handle winds at a constant speed and winds the string onto its spool (spool A). The other spool B will turn round:



A ☐ At the same speed as spool A

B ☐ Slower than spool A

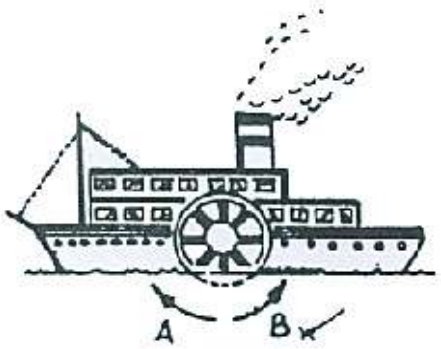
C ☐ At an increasing speed

D ☐ At a decreasing speed

E ☐ At an even speed

Question 20

Which direction would the paddle need to turn to make the boat go forward?

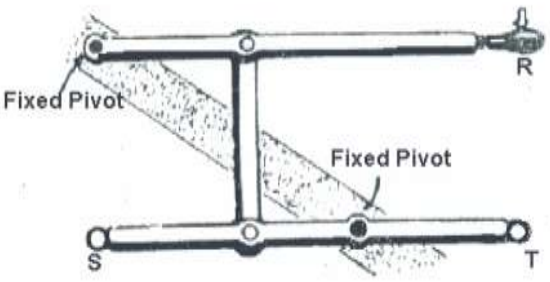


A ☐ In the direction indicated by the "A" arrow

B ☐ In the direction indicated by the "B" arrow

Question 21

Please note the 2 fixed pivots indicated by the arrows. Handle "R" is pushed down. Points "S" and "T" will move:



A ☐ "S" down and "T" down

B ☐ "S" down and "T" up

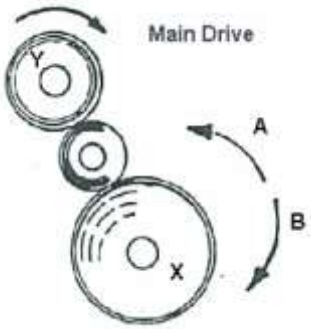
C ☐ "S" down and "T" stays still

D ☐ "S" up and "T" down

E ☐ "S" up and "T" up

Question 22

Does wheel "x" turn:



A ☐ In direction "A" slower than "y"

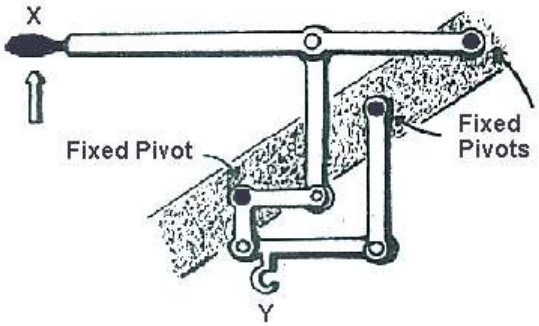
B ☐ In direction "B" slower than "y"

C ☐ In direction "A" faster than "y"

D ☐ In direction "B" faster than "y"

Question 23

If the handle "x" is pulled up. The hook "y" will:



A ☐ Stay still

B ☐ Move right and up

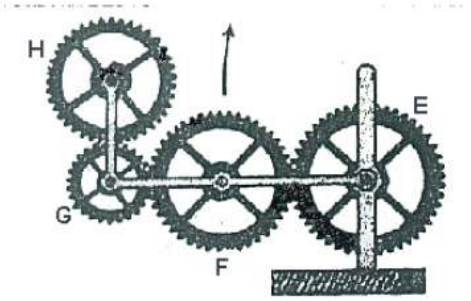
C ☐ Move right and down

D ☐ Move left and up

E ☐ Move left and down

Question 24

The wheel "E" is held still. The L-shaped arm carrying the cog wheels swings around it as shown by the arrow. Therefore "G" is spinning:



A ☐ To the left and faster than "F"

B ☐ To the left and slower than "H"

C ☐ To the right and slower than "F"

D ☐ To the right and faster than "H"

E ☐ To the left and slower than "F"

Part D – Comprehension - *(Please read this article and answer the questions which follow).*

News from the CEO

At the time of writing this column the new CEO for WorkCover NSW had just been announced by the Minister for Finance, the Hon. Michael Daley. I would like to warmly welcome Lisa Hunt to WorkCover. Lisa will focus on continuing to make long-standing improvements to occupational health and safety practices in workplaces across NSW, improvements to the WorkCover Scheme and ensuring that employers and injured workers in NSW continue to receive accurate and timely advice to OHS, injury management and workers compensation.

I would like to congratulate all of the winners of the 2009 WorkCover SafeWork Awards. The standard of entries was again very high last year with 47 finalists from the 119 entries received recognised for their exceptional safety innovations and improvements. The level of interest in the awards highlights the growing importance being placed on workplace safety.

Attended by almost 600 people, the awards evening provided an ideal opportunity for finalists to showcase their safety initiatives and share with industry peers what they have achieved.

With rising summer temperatures and many outdoor workers exposed to the heat and sun, now is the time to ensure you and your workplace are prepared. It is important that they are protected. Together, workers and employers can use simple strategies and safety equipment to protect themselves when working in the sun. Australia has the highest incidence of skin cancer in the world - more than 380,000 people are treated for the disease every year.

This issue of *WorkCover News* looks at the assistance being offered by WorkCover to the rural community to conduct mental wellness education events. Farmers suffering from anxiety and depression as a result of the drought are learning how to rebuild their lives and in the process create safer workplaces. WorkCover's Rural Mental Health Support program has helped to break down barriers and raise awareness of the mental health issues that can be brought on by stress and economic hardship.

Helping employers, service providers and injured workers understand the workers compensation system is one of our key goals. Please take the time to read about the following:

- an overview of the Workers Compensation Commission and the processes used by arbitrators to resolve disputes
- information on a new regulatory framework for psychologists and counsellors that came into effect from 1 January 2010
- advice on how to distinguish between a worker and contractor for workers compensation premium purposes.

While it is not always easy for employers to differentiate between workers and contractors, it is important to get it right, particularly when calculating workers compensation insurance premiums. Knowing the correct status of a worker ensures the correct premium is paid.

Rob Thomson
Acting Chief Executive Officer
WorkCover NSW

Question 25

In Rob Thomson's article, he mentions "*now is the time to ensure you and your workplace are prepared*". What is he referring to by this statement?

Question 26

From the 119 entries noted in Rob Thomson's article, MTA NSW won the Industry Leadership award for 2009. From the article, what were the finalists recognised for?

Question 27

Why is Rob Thomson emphasising the need to correctly classify an employee?

You have now completed the pre-selection exercise.

Please ensure that your name and necessary personal details are clearly printed on the front of the paper.
Thank you for your time.
Please return your paper to the supervisor.